



Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

January 5, 1993

1 ~

Dear 2 ~:

Re: Rules for Permanent Coal Regulatory Program - R645

Enclosed you will find the latest version of the Utah Coal Primacy Program rules which were critiqued by the federal government in a Federal Register notice on September 11, 1992. The first page of the table of contents for these rules describes their limitations and will assist you in your use of these rules.

Please let us know if you have any questions or comments on the enclosed package.

Sincerely,

Ronald W. Daniels
Coordinator of Minerals Research

kak
Enclosure
RD92-107



State of Utah

DEPARTMENT OF NATURAL RESOURCES
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801-538-5340

January 14, 1993

Mr. Phillip Barak
University of Wisconsin
1525 Observatory Drive
Madison, Wisconsin 53706

Dear Mr. Barak:

I am writing to inquire whether the SPECIES computer program might have applications for evaluation of the environmental impact of rainwater percolating through mine waste piles. Presently in Utah, mine wastes are sampled for acid/toxic forming potential, but a tool for extrapolating downstream water chemistry from these results, given a known infiltration rate, has not been utilized.

I recently read in Agronomy News that the program is available free of charge. If the program is in MS/DOS, would you please send the program to us at the Division? I would enjoy discussing the possibilities of SPECIES with you and will be contacting you by telephone shortly.

Sincerely,

Priscilla Burton
Senior Reclamation Soils Specialist

cc: L. Braxton
H. Sauer
SPECIES.PBB



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January 14, 1993

Mr. Mel Poad
U.S. Bureau of Mines
Spokane Research Center
E. 315 Montgomery Ave.
Spokane, Washington 99207-2291

Dear Mr. Poad:

I appreciate your staff's technical support with the UTAH2PC. Jeff Johnson and Mike McDonald have helped me get the program up and running, deal with operational problems, and develop applications. Subsidence studies done in conjunction with the BLM, University of Utah, and the mine operators utilizing UTAH2PC have helped reduce the negative effects of subsidence and increase coal recovery.

I am using UTAH2PC to study subsidence effects over coal mines and for slope stability analysis. Because UTAH2PC can be operated on a personal computer, my subsidence evaluations are now performed analytically. Without this program subsidence effects could only be estimated using experience from local mines or empirical models, which unfortunately are based on geologic conditions that do not occur in Utah's coal fields and therefore have limited application.

I hope that the Bureau will continue to fund this valuable work. Your continued support for UTAH2pc will be greatly appreciated.

Sincerely,

Wayne H. Western
Reclamation Engineer

UTAH2PC.WHW



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DEPARTMENT OF NATURAL RESOURCES
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355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

Gen Coal

January 25, 1993

1~

Dear 2~:

Re: Submittal of Annual Report for 1992, 4~, 5~, 6~, Folder #2, 7~ County, Utah

Enclosed please find the annual report information sheet and 1992 monitoring report to be submitted for the above noted mine(s). I have enclosed what I believe is a current list of outstanding permit stipulations, conditions, and Division Orders for your operation. This list is provided for your information only and is not considered all inclusive. There may be outstanding issues not contained on the list. Please review this list to ensure timely resolution of outstanding issues.

Also enclosed please find a chronology of approvals of permit changes for the year (FYI).

Please submit all of the requested information by March 31, 1993.

If you have any questions, please call me.

Sincerely,

Lowell P. Braxton
Acting Director

jbe

Enclosures

cc: P. Grubaugh-Littig
D. Haddock

A:/Annual

Annual Report for Coal Operators - Mailing List

Revised 12/92

Mr. Ben Grimes
Environmental Coordinator
Cyprus Plateau Mining Corporation
P.O. Drawer P M C
Price, Utah 84501

Star Point Mine

Mr. Lee Edmonson
CALMAT Company
Properties Division
1801 East University Drive
Phoenix, Arizona 85034

Hidden Valley Mine

Ms. Kathleen G. Welt
Environmental Supervisor
Mountain Coal Company
P.O. Box 591
Somerset, Colorado 81434

Gordon Creek #2, #7 & #8 Mines,
Gordon Creek #3 & #6 Mines,
C.V. Spur Mine,
Huntington #4 Mine

Mr. E.M. Gerick
Western States Minerals
Suite 130
250 South Rock Blvd.
Reno, Nevada 89502

J.B. King Mine

Mr. Val Payne
Sr. Environmental Engineer
PacifiCorp
P.O. Box 1005
Huntington, Utah 84528

Trail Mountain Mine,
Des-Bee-Dove Mine,
Deer Creek Mine,
Cottonwood/Wilberg Mine

Mr. Mike Glasson, Senior Geologist
Andalex Resources, Inc.
P.O. Box 902
Price, Utah 84501

Wildcat Loadout,
Centennial Project

Mr. Wendell Owen
Co-Op Mining Company
P.O. Box 1245
Huntington, Utah 84528

Trail Canyon Mine,
Bear Canyon Mine

Mr. David W. Anderson, P.E.
Intermountain Power Agency
Department of Water and Power
City of Los Angeles; Room 1164
111 North Hope Street
Los Angeles, California 90012

Horse Canyon Mine

Mr. Joe Fielder, General Manager
Sunnyside Coal Company
P.O. Box 99
Sunnyside, Utah 84539

Sunnyside Mine

Mr. Walt Ruzzo
BHP Petroleum - Utah International, Inc.
550 California Street
San Francisco, California 94104

Knight Mine

Mr. Richard H. Allison, Jr. P.E.
Amax Coal Company, Belle Ayr Mine
2273 Bishop Road
P.O. Box 3005
Gillette, Wyoming 82717-3005

Castle Gate Mine

Mr. Edwin Settle, Supervisor
EQC Department
Consolidation Coal Company
12755 Olive Boulevard
St. Louis, Missouri 63141

Emery Deep Mine

Mr. Jay Marshall
Castle Valley Resources
P. O. Box 1282
Huntington, Utah 84528

Wellington Prep Plant

Mr. Allen Childs
Genwal Coal Company, Inc.
P. O. Box 1201
Huntington, Utah 84528

Crandall Canyon Mine

Mr. Rick Olsen, President
Soldier Creek Coal Company
P. O. Box 1
Price, Utah 84501

Soldier Canyon Mine,
Banning Siding Loadout

Mr. Ken Payne, Manager
Southern Utah Fuel Company
P. O. Box P
Salina, Utah 84654

Convulsion Canyon Mine

Mr. Bob Eccli
U. S. Fuel Company
P. O. Box 887
Price, Utah 84501

Hiawatha Complex

Mr. Glen Zumwalt, Manager
Utah Fuel Company
P. O. Box 719
Helper, Utah 84526

Skyline Mine

Mr. Walter Wright, President
Valley Camp of Utah, Inc.
Scofield Route
Helper, Utah 84526

Belina Complex

A:/Annual

COAL MINING AND RECLAMATION OPERATIONS FOR 1992

(Must be submitted to the Division by March 31, 1993)

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203
(801) 538-5340

Permittee: _____

Mine Name: _____

Mailing Address: _____

Company Representative: _____

Resident Agent: _____

Permit Number: _____

MSHA ID Number: _____

Date of Initial Permanent Program Permit: _____

Date of Permit Renewal: _____

Quantity of Coal Mined (tonnage) 1992: _____

Attach Updated Mine Sequence Map(s) showing mine development through December 31, 1992.
(Same as Lease Royalty Payment Map and/or MSHA Progress Map)

All monitoring activities during the report period to be submitted with this report (including, but not limited to):

A. Summarized Water Monitoring Data:

1. List of monitoring points and their locations and respective frequencies of monitoring (monthly, quarterly, etc.) as approved in the PAP;
2. UPDES permit number, UPDES discharge points and their locations;
3. Summary of findings based on water monitoring during 1992; and
4. Submit water monitoring as database files (ASCII, Lotus, dBase, etc.)
(Please contact Ken Wyatt if you have any questions).

B. Precipitation or Other Climatological Data (please submit as database files: ASCII, Lotus, dBase, etc.-- Contact Ken Wyatt if you have any questions).

C. Subsidence Monitoring Report:

1. Brief description of monitoring system (monuments or aerial surveys, how monitoring is done, how frequently monitoring is done);
2. List of all monitoring points (if any) and their locations and amount of displacement of each;
3. Map showing either monitoring points (if any) or a representation of subsidence which has occurred; and
4. Any owners and/or occupants of surface property and structures above the underground workings who were or will be mailed notification six months prior to mining (R645-301-525.300).

D. Vegetation Data (test plots) or Revegetation Success Monitoring (includes interim and final):

1. Test plot monitoring data or implementation;
2. Quantitative results from interim or final seeding efforts;
3. If quantitative monitoring was not required, then at minimum, a qualitative description of the interim or final vegetation; and
4. Describe any seeding done on site during the current year.

E. Annual Impoundment Certification, (R645-301-514.312) which includes the following information:

1. Any appearances of instability;
2. Structural weakness or other hazardous conditions;
3. Depth and elevation of any impounded waters;
4. Existing storage capacity;
5. Any existing or required monitoring procedures and instrumentation; and
6. Any other aspects of the structure affecting stability.

Suggested form enclosed

F. Annual Overburden, Spoil, Refuse, Roof, Floor, and Mid-Seam Data. For Consistency and completeness, please submit data for this reporting requirement in the following manner:

1. Location of sample site, sample interval, and sample matrix (if roof or floor, then include lithologic unit and if coal, then thickness of seam at sample site);
2. Sampling technique employed in the field (i.e., grab sample, composite, depth segregated or specific procedure outlined in the permit by chapter and page) and preparation prior to analysis (i.e., sieved sample, ground sample, air dried, oven dried, etc.);
3. Laboratory analysis report sheet which includes:
 - I. Sample time and date;
 - II. Date and time of lab analysis; and
 - III. Analytical method(s) employed and references. Include the soil/spoil: water ratio.
4. Summary of findings based on monitoring.

G. A current copy of the annual report of officers submitted to the Department of Commerce and any changes in the ownership and control information required under R645-301-110.

H. Any Other Information Required to be Submitted as Specified in your Permit Application Package and Permit.

ANNUAL MAINTENANCE INSPECTION CERTIFICATION

This certification shall be submitted to the Division as part of the "Annual Report".

1. I hereby certify, in accordance with R645-301-514.310 through R645-301-514.313 and others as applicable, that with respect to the following facility.

Name of Permittee _____ Permit No. _____

Mine Name _____

which is a (check one)

- ☐ temporary water impoundment
- ☐ permanent water impoundment
- ☐ processing waste impoundment

2. I, or persons under my supervision, have conducted adequate inspections of the maintenance of the structure; and
3. The maintenance has been performed in accordance with the Utah State Coal Program; and
4. The attached report is certified in accordance with the rules of professional conduct promulgated by the Utah Board of Examiners for Engineers; and
5. The attached report addresses the following points:
 - a. any appearances of instability, structural weaknesses or other hazardous conditions;
 - b. depth and elevation of impoundment water;
 - c. existing storage capacity;
 - d. existing or required monitoring procedures and instrumentation; and
 - e. any other aspects of the structure affecting stability.

CERTIFICATION REPORT

On _____, 1992, an inspection of _____
_____, Area No. ____'s sedimentation pond _____ revealed
the following:

- A. The pond has been constructed and maintained in accordance with the approved plan.
- B. The pond's dam appeared sound with no signs of instability or hazardous conditions.
- C. The water elevation was _____ feet. The water depth was _____ feet.
- D. The existing storage capacity is _____ acre-feet which is greater than the _____ acre-feet required by the approved plan.
- E. Ponds are inspected weekly for structural problems and pH levels. Bi-monthly sampling of discharge is performed with analysis results submitted monthly. U.P.D.E.S. and DOGM requirements are followed during sampling, analysis, and reporting.

Based on this field inspection, pond _____ has been certified as required by R645-301-514.310 through R645-301-514.313. A "Certification of Maintenance of Dams and Embankments" is attached.

Affix seal of engineer
making this certification.
All data in the seal
must be legible.

Seal

12/31/92

Castle Gate Mine

Amendments Approved

Date

92A	--Hardscrabble Area Submittal	07/10/92
	--Sowbelly Canyon Submittal	12/22/93
92C	--Abatement of N92-39-3-2	07/07/92

Outstanding Issues

Division Order 91A -- Renewal Deficiencies

Skyline Mine

Amendments Approved

Date

91J	--Open Coal Storage	04/02/92
91-1	--Conveyor Revision	06/22/92
92A	--R645 Amendment	01/29/92
92B	--Surface Facilities Addition	04/16/92
92C	--Response to DO-92A & B	08/10/92
92E	--Reclaim Conveyor	06/24/92
92F	--Vegetation Trials on Conveyor	10/06/92
92H	--New Culvert	07/09/92
92I	--RRLO Open Coal Storage	10/30/92
92J	--Water Tank	10/05/92
92L	--RRLO Sediment Pond	11/19/92

Outstanding Issues

Division Order 92C --Renewal Deficiency
Division Order 92D --Forest Service Comments
Division Order 92E --Waste Rock Drainage Control

Hiawatha Mines

Amendments Approved

Date

92A	--645 Prefix Change	02/06/92
92B	--Incidental Boundary Change	06/09/92

Outstanding Issues

Division Order 92A --Renewal Response

Wellington Prep. Plant

Amendment Approved

Date

92A	--R645 Prefix Change	02/06/92
92C	--Refuse Erosion Abatement	05/28/92

Denied

Outstanding Issues

Bond Submittal and Mid-Term Review Response

Centennial Project

Amendments Approved

Date

91A	--Pond C Spillway	08/26/92
92A	--Stipulations 411 & 413 Response	02/19/92
92B	--Renewal Stipulation Response	05/29/92
92C	--Stipulation 412 Response	06/10/92
92F	--Pond C Ramp Change	11/20/92

Outstanding Issues

None

Wildcat Loadout

Amendments Approved

Date

92A	--Diversions-Erosion Pin Study	03/17/92
92B	--Bonding Revisions	04/07/92
92C	--Revised Plate 2 Silt Disposal	04/03/92
92D	--Disturbed Culverts C-28 & C-29	08/26/92

Outstanding Issues

Soldier Canyon Mine

Amendments Approved

Date

91F	--Pond As-Builts	11/20/92
92A	--#3 Fan As-Builts	09/30/92
92B	--R645 Prefix Change	02/05/92
92C	--Mobile Screening Unit	02/26/92
92D	--Soils Response to Deficiency	11/19/92

Outstanding Issues

Division Order 92A --Renewal Deficiencies

Banning Loadout

Amendments Approved

Date

92B	--Legal & Financial Update	10/14/92
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Outstanding Issues

None

Emery Deep Mine

Amendments Approved

Date

91C	--Backfill Tank Excavation	02/13/92
92A	--Inspection Updates	06/24/92
92B	--Pond 3 Spillway	03/19/92
92C	--Supplemental Pond Design	03/18/92
92D	--Waste Disposal Diversion	12/08/92

Outstanding Issues

Division Order 93A --Designs and Certification of Catch Basin "A"

Crandall Canyon Mine

Amendments Approved

Date

92A	--R645 Change	02/06/92
92B	--Surface Diversion	04/15/92
92C	--Mine Change and Subsidence	10/08/92
92D	--New Chapter 2	05/27/92
92E	--Plate 3-1	06/15/92
92G	--Chapter 10	09/30/92
92I	--Chapter 2 Amendment	09/25/92
92J	--Page 7-37 Correction	10/07/92

Outstanding issues

Division Order 92A --Chapter 14 Subsidence Issue

Convulsion Canyon Mine

Amendments Approved

Date

92A	--Substation ASCA	01/15/92
92B	--R645 Prefix Change	02/06/92
92C	--Waste Rock Drainage	03/19/92
92D	--Mining Escarpment	09/17/92
92E	--Ditch Design and Waste Site	11/18/92
92F	--Update Surface Facilities Map	12/22/92

Outstanding Issues

Division Order 92A --Renewal Deficiencies

Knight Mine

Amendments Approved

Date

91A	--Phase II As-Builts	03/20/92
92A	--Reseeding Stage II	11/03/92
92B	--Deer Range Change	11/16/92

Outstanding Issues

None

Star Point Mine

Amendments Approved

Date

92A	--Variance Refuse Pile Berm	01/20/92
92B	--R645 Prefix Change	01/29/92
92C	--IBC Main Development	07/14/92
92D	--Gentry Mountain Air Shaft	10/14/92
92E	--Road Classification	08/07/92
92F	--Ditches 51, 57, 58 Variance Request	08/07/92
92G	--Exploration Converted to CEP/007/006-92B	09/08/92
92H	--Refuse Pile Map Update	08/18/92
92I	--Weather Station	09/25/92
92J	--Change Item 16 to Concrete Pad & Storage Shed	11/17/92
92K	--Production Rate	12/03/92

Outstanding Issues

Amendment 92L --Widened Haul Road
Amendment 92M --Revised Water Monitoring
Division Order 91C --PHC

Hidden Valley Mine

Amendments Approved

None

Outstanding Issues

Division Order 92A
Division Order 92B

Gordon Creek #2, #7 & #8 Mines

Amendments Approved

None

Outstanding Issues

Division Order 91B --Due 2/1/93

Gordon Creek #3 & #6 Mines

Amendments Approved

Date

92A --Phase II Bond Release Application Denied

09/28/92

Outstanding Issues

C.V. Spur Mine

Amendments Approved

Date

92A --Sediment Markers

05/29/92

Outstanding Issues

Huntington #4 Mine

Amendments Approved

Date

92A --Phase II Bond Release Application Denied

09/28/92

Outstanding Issues

J.B. King Mine

Amendments Approved

Outstanding Issues

Violations N91-32-6-1 & N91-35-6-1

Trail Mountain Mine

Amendments Approved

Date

92A --Bonding Update
92C --Legal and Financial

07/01/92
01/05/93

Outstanding Issues

Amendment 91B --Exploration (delayed due to weather)
Amendment 92B --BTCA
Division Order 92A --Map corrections

Des-Bee-Dove Mine

Amendments Approved

Date

92A --R645 Prefix Change
92B --L & F Revision
92C --Abatement Deficiencies N91-20-2-1

01/31/92
08/27/92
11/03/92

Outstanding Issues

Deer Creek Mine

Amendments Approved

Date

91E	--Culvert Calculations	02/06/92
92A	--R645 Prefix Change	01/31/92
92B	--Storage Dock	06/01/92
92C	--East Mtn Drilling Inside Permit Area	07/15/92
92D	--L & F Revision	08/27/92
92E	--Updated Permit Plan	09/11/92
92F	--IBC	01/06/93
93A	--Snow Removal	01/14/93

Outstanding Issues

Cottonwood/Wilberg Mine

Amendments Approved

Date

92A	--R645 Prefix Change	01/31/92
92B	--Legal and Financial Revision	08/27/92
92C	--Conveyor System	06/26/92
92D	--Channel Canyon	08/14/92

Outstanding Issues

Trail Canyon Mine

Amendments Approved

Date

92A	--Residential Exclusion	06/08/92
92B	--R645 Prefix Change	01/28/92
92C	--TCD-2 Ditch	04/02/92
92D	--Picnic Area Sediment Control	01/06/93
92E	--92 Plant Survey App 11B	08/27/92

Outstanding Issues

Bear Canyon Mine

Amendments Approved

Date

92A	--Drainage C-8U	08/07/92
92B	--Culvert C-13U	01/31/92
92C	--Surface Disturbance Area	04/14/92
92D	--R645 Prefix Change	01/28/92
92E	--Loadout Belt & Storage Expansion	07/06/92
92F	--Lump Coal Relocation	07/07/92
92G	--Diversion Revisions	11/03/92
92I	--Water Rights Update	11/20/92
92J	--Revised PHC	11/13/92
92K	--Upper Bear Fan Portal	09/18/92
92L	--1991 Plant Survey	08/27/92
92M	--Veg Maps	08/27/92
92N	--BTCA Converted to 92D	10/29/92
92O	--Proposal for C-13AU	09/25/92
92P	--Eroded Slope Below Tipple	12/04/92
92Q	--Blind Canyon Fan	11/19/92
92R	--Plates 1-2, 2-2, 2-3	01/07/93
92S	--Monitoring Matrix for DH-1, 2, 3	01/07/93
92T	--Appendix 3-C & 3-H	01/06/93
92U	--Spring Sampling	01/06/93
92V	--Chapter 6	01/13/93

Outstanding Issues

Amendment 92H --Shower House Proposal

Horse Canyon Mine

Amendments Approved

Date

92A	--R645 Prefix Change	02/16/92
92B	--Borrow Area Access Road	09/25/92
92C	--Exploration	01/20/93

Outstanding Issues

Sunnyside Mine

Amendments Approved

Date

92A	--R645 Prefix Change	01/27/92
92C	--Coal Fine Deposit'n Prevention to #2 Cyn Channel	11/22/92
92E	--Coarse Refuse Disposal	07/15/92
92F	--Coarse Refuse Borrow Area	07/07/92
92G	--Culvert Installation Under Railroad Loop	09/01/92
92I	--Superseded Handling as New Permit PRO/007/035	
92J	--IBC	11/20/92
92L	--Legal and Financial	12/10/92
92M	--#2 Trestle Area	01/22/93

Outstanding Issues

Amendment 92B	--ASCA
Amendment 92D	--Design-Water Canyon Refuse Pile
Amendment 92H	--2GW Wells & Exploration (BXG)
Amendment 92K	--Coal Storage Areas
Amendment 92N	--Water Canyon & Fan Canyon Portal Areas



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Gen. Coal

Norman H. Bangerter
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Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

January 27, 1993

TO: Lowell P. Braxton, Acting Director

FROM: Pamela Grubaugh-Littig, Permit Supervisor *pgl*

RE: Tentative "A" Team Permitting Schedule

Permitting actions for the "A" Team are three permanent program permits, one five-year permit renewal (ongoing review of resubmitted plan), three mid-terms, four coal lease tracts, and two reclamation reviews. The major permitting actions are:

PERMANENT PROGRAM PERMIT ISSUANCE

Blue Blaze Coal Company: Blue Blaze Mine

* Date Plan Received	03/13/89
* Initial Completeness Review	05/17/89
* Operator Response	06/19/90
* Second Completeness Review Sent	08/08/90
* Operator Response	12/10/90
* Third Completeness Review Sent	01/29/91
* Operator Response	03/07/91
* Determined Complete	04/17/91
* Technical Deficiency Sent to Operator	06/13/91
* Operator Response	07/22/91;
	08/20/91;
	08/28/91;
	09/12/91;
	09/30/91;
	10/03/91
* Second Technical Deficiency Sent	10/07/91
* Partial Operator Response	12/06/91
* Hydro Technical Deficiency Sent to Operator	01/23/92
* Preliminary Blue Blaze Groundwater Info	03/11/92
Submitted by EarthFax	
* Division Response	03/23/92
* EarthFax Resubmitted Groundwater Info	03/27/92
* Third Technical Deficiency Sent to Operator	04/15/92

PERMANENT PROGRAM PERMIT ISSUANCE (Continued)

Blue Blaze Mine (Continued)

- * Operator Resubmits (EarthFax-Substantially New Document) 05/11/92
- * Permit Put on Highest Priority 05/13/92
- * EarthFax Coordinates Deficiencies Daily 05/14-29/92
- * Received Notification to Issue Permit Before 6/1/92 05/19/92
- * Prepared Technical Analysis (for Limited Permit)
with Ten Stipulations 05/29/92
- * Certificate of Insurance Submitted 05/29/92
- * Letter Sent Notifying Blue Blaze -- Must Submit Bond
Before Permit Issued 06/04/92
- * Letter Sent with Stipulations that Must be Addressed 06/24/92
- * Blue Blaze Coal Company Submits Stipulation Response 07/31/92

Garfield Coal Company

- * Met with Representatives for Mapping 04/29/92
- * Met with Hydrologist on Project 05/12/92
- * Met with Soils Representative 09/92
- * Met with Hydrologist Re: PHC 11/19/92
- * Met with Patrick Collins 12/10/92
- * Update Letter to Director 12/23/92
- * Submit to Division 02/93

Sunnyside Cogeneration Associates
(Environmental Power Corporation)

- * Permit Transfer with PAP submittal 08/20/92
- * Letter Sent to EPC Stating Need Separate Permit 09/10/92
- * Clarification of Mining and AML Fees (Letter Sent) 09/21/92
- * Completeness Issues Letter Sent 10/21/92
- * Meeting with SCA Consultants 10/22/92
- * Completeness Issues Response 10/27/92
- * Determination of Completeness 10/28/92
- * TD Issued 11/25/92
- * Applicant Response 12/03/92
- * Meeting with Applicant, Attorneys & Consultants 12/18/92
- * Deficiency Response 01/08/93

FIVE-YEAR RENEWALS

PacifiCorp: Des-Bee-Dove Mine

* Date Five Year Renewal Received	04/27/90
* Initial Completeness Review	06/25/90
* Partial Operator Response	09/07/90
* Cessation Order (CO #90-20-2-1) Issued Due to Lack of "Completeness" of Permit Renewal	09/20/90
* Operator Response to Initial Completeness Review in Rewritten Format	09/27/90
* Determination of Completeness	11/16/90
* Division Issues Technical Deficiencies	12/14/90
* Operator Response to Technical Deficiencies	02/07/91
* Operator Submits Additional Information	05/29/91
* Permit Renewed With Nine (9) Conditions CO #C90-20-2-1 Is Terminated	05/31/91
* Response to Nine (9) Conditions	08/15/91
* Division Response to Conditions	12/13/91
* Operator Response	02/18/92
* Division Response	03/26/92
* Operator Response (+ Erosion Task Force App XVI)	04/24/92
* Deficiency Letter Sent	05/06/92
* Operator Response	06/12/92
* Conditions Satisfied	08/27/92

Co-Op Mining Company: Bear Canyon Mine

* Operator Submits Five-Year Renewal Application	07/13/90
* Division Issues Determination of Completeness	09/01/90
* Technical Deficiency Sent to Operator	09/19/90
* Formal Protest to Five-Year Renewal; Request for Informal Hearing	10/10/90
* Operator Response	10/19/90; 10/22/90; 10/31/90
* CO #C90-26-1-1 Issued Due to Publication Problems	11/02/90
* NOV #N90-34-1-1 Issued Due to Need for Updating Maps in Plan	11/26/90
* Division Order Issued Requesting 18 Permit Changes	11/27/90
* Operator Submits Partial Response to Division Order	01/21/91
* Operator Submits New Maps	02/25/91
* Inadequacy of Maps Informally Given to Operator	03/21/91

FIVE-YEAR RENEWALS (Continued)

Co-Op Mining Company: Bear Canyon Mine (Continued)

* Operator Submits Revised Maps	04/08/91; 04/22/91
* Operator Submits Partial Response to Division Order (NOV #N91-20-1-1)	04/24/91
* Hindrance Violation Issued Due to Failure to Submit All Information to Division Order	04/26/91
* Updated Maps and Plans Submitted	05/03/91; 05/17/91
* Permit Renewed	05/20/91
* More Information Re: The Division Order is Submitted by Operator	05/24/91
* Technical Review of Division Order Completed (NOV Terminated)	09/03/91
* More Division Order Information Submitted	12/30/91
* Complete Reclamation of Highwall Approved	05/03/92
* Hydrogologic Information Submitted	07/31/92
* Division Letter Sent Stating Revised PHC Required	08/04/92
* Revised PHC Submitted	08/17/92
* Revised PHC Resubmitted	09/17/92
* Meeting with Operator re: Deficiencies	11/13/92
* Response Received	12/11/92
* Technical Review Due	01/29/93

Sunnyside Coal Company: Sunnyside Mine

* Operator Submits Five-Year Renewal Application in New Format	10/09/90
* Division Issues Completeness	11/20/90
* Permit Successively Renewed	01/20/91
* Overall Field Review	07/10/91
* Division Continues Review of New Format Application	12/91
* Completeness Document Sent	02/07/92
* Operator Response Due	03/31/92
* Extension Granted for Submittal	07/06/92; 09/01/92; 10/01/92; 12/01/92
* Final Extension Granted to	02/15/93

FIVE-YEAR RENEWALS (Continued)

PacifiCorp: Deer Creek Mine

- * Operator Submits Five-Year Renewal
Application in New Format 10/09/90
- * Division Issues Completeness on Old Application 12/07/90
- * Permit Successively Renewed on Old Application 02/07/91
- * Operator Submitted Updated Legal & Financial Information 01/15/92
- * Operator Submits "Rosetta Stone" to Decipher
Approved Plan to Reformatted Plan 03/16/92
- * Review Sent 04/15/92
- * Meeting on Plan 06/17/92
- * Second Meeting on Plan 08/13/92
- * Team Review of Updates Approved 09/11/92
- * Midterm Review of Plan Due 05/01/93

Mountain Coal Company: Gordon Creek #3 and #6 Mine

- * Five-Year Renewal Application Submitted 09/05/91
- * Determined Complete 09/11/91
- * CO #C91-20-1-1 Issued (Modified to 9/20/91) 09/12/91
- * Technical Deficiencies Issued 09/13/91
- * Permit Expires 09/19/91
- * Permit Renewed (CO Terminated) with Three Conditions 11/12/91
- * Operator Submits Responses to Conditions 12/12/91
- * Conditions Approved 02/25/92

Hidden Valley Coal Company: Hidden Valley Mine

- * Five-Year Renewal Application Submitted 09/25/91
- * Determination of Completeness 10/22/91
- * Permit Renewed 01/30/92

Cyprus Plateau Mining Corp: Star Point Mine

(In Conjunction with Castle Valley Ridge Lease Tract)

- * Operator Submitted 09/17/91
- * Determined Renewal Complete 11/27/91
- * Permit Renewed for Current Permit Area Only 01/28/92

MID-TERM REVIEWS

- * Wildcat Loadout - Begin July 1991
Letter Sent 09/16/91 to Commence Mid-Term
Completed December 4, 1991
- * C.V. Spur - Begin September 1991
Letter Sent 09/17/91 to Commence Mid-Term
Letter Sent 02/04/92
Response Received 04/15/92
Review Sent 06/08/92
Response Due 06/25/92
Completed 06/30/92
- * Cottonwood/Wilberg - Begin September 1991
Letter Sent 09/17/91 to Commence Mid-Term
Letter Sent 02/04/92
Response Due 03/06/92 (Extended to 03/20/92)
Received 03/25/92
Review Sent 08/01/92
Response 10/15/92 and 12/11/92
Approved 01/07/93
- * Gordon Creek #2, #7 & #8 - Done 02/26/92
- * Trail Mountain - Letter Sent August 21, 1992
Due October 1, 1992
Extended to 10/30/92
Response Received 10/30/92
Review Sent 12/07/92
Response Received 01/07/93
Review Due 01/29/93
- * Deer Creek - Begin May 1993
Due July 1993
- * Des-Bee-Dove - Begin March 1, 1993
- * Bear Canyon - Begin April 1993

LEASE TRACTS

Bear Canyon Lease Tract

*	Division Received	12/21/89
*	Initial Completeness Review Issued to Operator	03/01/90
*	Other Agency Comments Sent to Operator	06/11/90
*	Operator Response	07/13/90
*	Determined Complete	09/25/90
*	Technical Deficiency Sent to Operator	12/04/90
*	Partial Operator Response	01/02/91
*	Informal Hearing	02/05/91
*	Response to Informal Hearing	05/20/91
*	Resubmitted Copies for Other Agencies	01/04/93
*	Sent to Other Agencies	01/07/93
*	Review From Other Agencies Due	02/19/93
*	**Technical Analysis	
*	Document Sent to Washington	
*	State Permit Issued	

- ** Co-Op Mining Company drilled underground monitoring three (3) holes. Consultant report forthcoming. The Federal Lease Tract Addition is delayed indefinitely. Sent letter 08/04/92 stating that Federal Lease Tract cannot be considered until revised PHC submitted and reviewed. Revised PHC Submitted 09/17/92. Letter sent 10/5/92 regarding updated copies needed for agencies. Updated copies received 1/5/93, transmitted to agencies 1/12/93.

Rilda Canyon (Deer Creek Mine)

*	Division Received	02/12/90
*	Initial Completeness Review (with other agency comments)	05/23/90
*	Partial Operator Response (hydro missing)	10/15/90
*	PHC Information Sent	05/01/91
*	Second Operator Response Sent to Division	12/26/91
*	PHC Review Sent to Operator	02/10/92
*	PHC Partial Operator Response	02/26/92
*	Update Request of Plan Sent	03/06/92
*	Operator Response (PHC)	03/25/92
*	Division PHC Review Sent	05/15/92

LEASE TRACTS (Continued)

Rilda Canyon-Deer Creek Mine (Continued)

*	Operator Response (PHC)	07/15/92
*	Division Concern Letter Sent	07/22/92
*	IBC Submitted	09/18/92
*	IBC Info Sent to OSM, Denver	11/04/92
*	IBC Approved	01/06/93
*	Completeness Review	
*	Determined Complete	
*	Technical Analysis	
*	Sent to Washington	
*	State Permit Issued	

Castle Valley Ridge Lease Tract/Star Point
(In Conjunction with Five-Year Renewal)

*	Division Receives	09/17/91
*	Division Reviews for Completeness	
	Issues ICR/TD	05/20/92
*	PHC Update Submitted	05/15/92
*	Division Review of PHC Sent	08/04/92
*	Determined Not Complete Letter Sent	08/14/92
*	PHC Review Response Received	09/28/92
*	PHC Review Sent	12/03/92
*	Response Received	01/15/93
*	Division Review Due	02/12/93

Sunnyside Coal Company - "B" and "C" Canyon

*	Sunnyside Mine Reps Met with Division	03/25/92
	Re: Permitting (Met w/Bob Burnham 5/7/92)	
*	Division Receives	01/93

RECLAMATION REVIEW - Work To Be Done

- * Gordon Creek #2, #7, & #8 - Closed November 1, 1990.
Partially Reclaimed 1991.
Highwall Review Meeting Held 02/25/92.
Resubmitted Highwall & Reclamation
Information 05/07/92.
NOV #N92-20-1-1 Issued 06/15/92 Due to Lack
of Information in Plan.
Meeting with Dan Guy, Scot Anderson (Arco
Legal Counsel) on 06/25/92.
Abatement Date 06/29/92.
Informal Hearing Held 07/14/92. Division Order
92-A (Review Comments) Sent 07/27/92.
Agreement Letter of Schedule Sent to Scott
Anderson 08/17/92. Approval of Highwalls
09/10/92. Some Reclamation Work Done in
1992, Balance in 1993.
Reclamation Resubmittal Due 02/01/93.

- * J.B. King - Three NOVs Written and Upheld by Director,
Numerous Exchanges.
Reclamation Plan Justifying Doing Nothing
Submitted 09/15/92.
Meeting with Dianne 10/23/92.
Memos to Dianne & Lowell 11/12/92,
Re: Abatement Plan Deficiencies.
Letter Sent 12/07/92; Violation Modified.
Response Received 01/21/93.

jbe
cc: Joe Helfrich
Daron Haddock
"A" Team
A:\PERMSCH.E.MEM



Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

TO: Lowell Braxton, Acting Director

THRU: Daron Haddock, Permit Supervisor

FROM: Wayne H. Western, Reclamation Engineer *WAW*

DATE: February 4, 1993

RE: Association of Engineering Geologist Computer Short Course

I would like to attend the computer short course sponsored by the Utah Section of the Association of Engineering Geologists. The course will be offered on February 17, from 9:00 a.m. to 3:00 p.m. at the Utah Geological Survey. The cost is \$25.00.

This course will include computer programs that deal with geologic hazards and engineering computer bulletin boards. Many of the computer programs are in the public domain so I can obtain copies after the course.

I am particularly interested in the Colorado Rockfall Simulation program which evaluates rock-fall, runout, and bounce height. At present the Division does not have any computer programs that evaluate minor rock falls which have a high potential for causing harm to the public.

Please let me know as soon as possible in order that arrangements may be made to attend the course.

GEOLOGY.WHW



Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

February 11, 1993

TO: Lowell P. Braxton, Acting Director

FROM: Pamela Grubaugh-Littig, Permit Supervisor *pgl*

RE: "A" Team Permitting Actions, Amendments, Division Orders, and Enforcement Actions

Attached please find a status report of the permitting and enforcement actions for the "A" Team during 1992. I have included 1993 approval dates for the permitting actions of 1992 amendments. There were:

Amendments approved	72
Amendments denied	2
Division Orders (approved)	10
NOV's issued	45
CO's issued	3

In 1992, three weeks in May were dedicated solely to the permitting of the Blue Blaze Mine, while the months of September, October, November, December and January (1993) were committed primarily to the permitting of the Sunnyside Cogeneration Facility.

Star Point Mine

Amendments Approved

	<u>Date</u>
92A --Variance Refuse Pile Berm	01/20/92
92B --R645 Prefix Change	01/29/92
92C --IBC Main Development	07/14/92
92D --Gentry Mountain Air Shaft	10/14/92
92E --Road Classification	08/07/92
92F --Ditches 51, 57, 58 Variance Request	08/07/92
92G --Exploration Converted to CEP/007/006-92B	09/08/92
92H --Refuse Pile Map Update	08/18/92
92I --Weather Station	09/25/92
92J --Change Item 16 to Concrete Pad & Storage Shed	11/17/92
92K --Production Rate	12/03/92
92L --Widened Haul Road	02/08/93

Division Orders Approved

DO-92A	06/16/92
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NOVs Written

N92-26-2-1

N92-26-4-1

Outstanding Issues

Amendment 92M	--Revised Water Monitoring
Division Order 91C	--PHC

Sunnyside Mine

Amendments Approved

	<u>Date</u>
92A --R645 Prefix Change	01/27/92
92C --Coal Fine Deposit'n Prevention to #2 Cyn Channel	11/22/92
92E --Coarse Refuse Disposal	07/15/92
92F --Coarse Refuse Borrow Area	07/07/92
92G --Culvert Installation Under Railroad Loop	09/01/92
92I --Superseded Handling as New Permit PRO/007/035	
92J --IBC	11/20/92
92K --Coal Storage Areas	02/09/93
92L --Legal and Financial	12/10/92
92M --#2 Trestle Area	01/22/93

Division Orders Approved

DO-92A	Superseded	12/08/92
--------	------------	----------

NOVs Written

N92-32-2-1
N92-32-3-1
N92-32-4-1
N92-32-5-1
N92-25-2-1
N92-32-7-1
N92-32-8-1
N92-32-9-1
N92-20-2-1
N92-26-3-4 --Vacated
N92-32-10-1
N92-32-11-1
N92-32-12-1
N92-32-13-1
N92-32-14-1
N92-32-15-1
N92-32-16-1
N92-32-17-1
C92-32-1-1
N92-40-11-1
N92-40-12-2
N92-40-13-1

Outstanding Issues

Amendment 92B	--ASCA
Amendment 92D	--Design-Water Canyon Refuse Pile
Amendment 92H	--2GW Wells & Exploration (BXG)
Amendment 92N	--Water Canyon & Fan Canyon Portal Areas

Horse Canyon Mine

Amendments Approved

Date

92A --R645 Prefix Change

02/16/92

92B --Borrow Area Access Road

09/25/92

92C --Exploration

01/20/93

NOVs Written

N92-25-3-1

N92-25-4-1

N92-25-5-1

N92-25-6-1

Outstanding Issues

None

Gordon Creek #2, #7 & #8 Mines

Amendments Approved

None

NOVs Written

N92-20-1-1,

Outstanding Issues

Division Order 91B

--Received 2/1/93, under review

Gordon Creek #3 & #6 Mines

Amendments Approved

Date

92A --Phase II Bond Release Application Denied

09/28/92

Outstanding Issues

None

C.V. Spur Mine

Amendments Approved
92A --Sediment Markers

Date
05/29/92

Outstanding Issues
None

Wildcat Loadout

Amendments Approved
92A --Diversions-Erosion Pin Study
92B --Bonding Revisions
92C --Revised Plate 2 Silt Disposal
92D --Disturbed Culverts C-28 & C-29

Date
03/17/92
04/07/92
04/03/92
08/26/92

Division Orders Approved
DO-92A

10/08/92

NOVs Written
N92-32-1-2

Outstanding Issues
None

J.B. King Mine

Amendments Approved
None

Outstanding Issues
Violations N91-32-6-1 & N91-35-6-1
(N91-35-7-1 terminated 12/7/92)

Huntington #4 Mine

Amendments Approved

92A --Phase II Bond Release Application Denied

Date

09/28/92

Outstanding Issues

None

Hidden Valley Mine

Amendments Approved

None

NOVs Written

N92-25-1-1 --Vacated

C92-26-1-2

Outstanding Issues

Division Order 92A

Division Order 92B

02/04/93

Trail Mountain Mine

Amendments Approved

92A --Bonding Update

92C --Legal and Financial

Date

07/01/92

01/05/93

Outstanding Issues

Amendment 91B

--Exploration (delayed due to weather)

Amendment 92B

--BTCA

Division Order 92A

--Map corrections

Des-Bee-Dove Mine

Amendments Approved

92A --R645 Prefix Change

92B --L & F Revision

92C --Abatement Deficiencies N91-20-2-1

Date

01/31/92

08/27/92

11/03/92

Division Orders Approved

DO-92A

04/09/92

NOVs Written

N92-26-1-1

Outstanding Issues

None

Deer Creek Mine

Amendments Approved

91E --Culvert Calculations

92A --R645 Prefix Change

92B --Storage Dock

92C --East Mtn Drilling Inside Permit Area

92D --L & F Revision

92E --Updated Permit Plan

92F --IBC

93A --Snow Removal

Date

02/06/92

01/31/92

06/01/92

07/15/92

08/27/92

09/11/92

01/06/93

01/14/93

NOVs Written

N92-7-2-1

N92-7-3-1

Outstanding Issues

Division Order 92A

Division Order 92B

01/06/93

01/20/93

Cottonwood/Wilberg Mine

Amendments Approved

	<u>Date</u>
92A --R645 Prefix Change	01/31/92
92B --Legal and Financial Revision	08/27/92
92C --Conveyor System	06/26/92
92D --Channel Canyon	08/14/92

NOVs Written

N92-32-6-1

Outstanding Issues

None

Trail Canyon Mine

Amendments Approved

	<u>Date</u>
92A --Residential Exclusion	06/08/92
92B --R645 Prefix Change	01/28/92
92C --TCD-2 Ditch	04/02/92
92D --Picnic Area Sediment Control	01/06/93
92E --92 Plant Survey App 11B	08/27/92

NOVs Written

N92-7-1-2

Outstanding Issues

None

Bear Canyon Mine

Amendments Approved

	<u>Date</u>
92A --Drainage C-8U	08/07/92
92B --Culvert C-13U	01/31/92
92C --Surface Disturbance Area	04/14/92
92D --R645 Prefix Change	01/28/92
92E --Loadout Belt & Storage Expansion	07/06/92
92F --Lump Coal Relocation	07/07/92
92G --Diversion Revisions	11/03/92
92H --Shower House	02/09/93
92I --Water Rights Update	11/20/92
92J --Revised PHC	11/13/92
92K --Upper Bear Fan Portal	09/18/92
92L --1991 Plant Survey	08/27/92
92M --Veg Maps	08/27/92
92N --BTCA Converted to 92D	10/29/92
92O --Proposal for C-13AU	09/25/92
92P --Eroded Slope Below Tipple	12/04/92
92Q --Blind Canyon Fan	11/19/92
92R --Plates 1-2, 2-2, 2-3	01/07/93
92S --Monitoring Matrix for DH-1, 2, 3	01/07/93
92T --Appendix 3-C & 3-H	01/06/93
92U --Spring Sampling	01/06/93
92V --Chapter 6	01/13/93

Division Orders Approved

DO-92A	05/07/92
DO-92B	06/01/92
DO-92C	07/22/92
DO-92D	06/01/92

NOVs Written

N92-40-1-1	
N92-40-2-1	
N92-40-3-2	
N92-40-4-1	--Vacated
N92-40-5-1	
N92-40-6-1	
N92-40-7-1	
N92-40-8-1	--Vacated
N92-40-9-1	--Vacated
N92-40-10-2	--Vacated
C92-40-1-1	--Vacated

Outstanding Issues

None



Norman H. Bangerter
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State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

Gen. Coal Corr

February 12, 1993

CERTIFIED RETURN RECEIPT REQUESTED
P 879 596 413

Mr. Robert H. Hagen, Director
Office of Surface Mining
Reclamation and Enforcement
Suite 310, Silver Square
625 Silver Avenue, S. W.
Albuquerque, New Mexico 87102

Dear Mr. Hagen:

Re: October to December 1992 Quarterly-Annual Report

Enclosed is the Division's quarterly report of coal program activities for October through December, 1992.

If there are any questions you may have on our activities for these months, please contact me.

Sincerely,

Joseph C. Helfrich
Regulatory Program Coordinator

jbe
Enclosures
cc/enc: Richard Dawes
A:/QUARTER.REP

DISTRIBUTION IS AS FOLLOWS:

1. Pam G. L.
2. Daron Haddock
3. Price Field Office
4. Joe Helfrich
5. Lowell Braxton/Vicki Bailey
6. Richard Dawes, OSM-Denver
7. Central Files
8. (2) Reading File
9. (17) Copies for Board Folders (these are 3-hole punched and stapled)

A:\QUARTER.REP

STATE QUARTERLY-ANNUAL REPORT

Period Covered By This Report From October 1, 1992 To December 31, 1992

Name of State Utah

DESCRIPTION OF ACTIVITY (Enter Numbers for Activity in Column)

Permanent Program (Page 1)

TOTAL
NUMBER

COMMENTS (Use
additional sheets
if necessary)

A. Permitting Activity:

1. Mining:^{1*}

(a) Applications Received.....	<u>0</u>	See Addendum A
(b) Permits Issued.....	<u>0</u>	See Addendum A
(c) Amendments Received.....	<u>26</u>	See Addendum B
(d) Permit Amendments Issued.....	<u>30</u>	See Addendum B

2. Exploration:

(a) Applications Received.....	<u>0</u>	See Addendum B
(b) Permits Issued.....	<u>3</u>	

3. Bonds:

See Addendum C

B. Complaints:^{1*}

0

C. Enforcement Actions:^{3*}

1. Administrative Conferences and Hearings:^{2*}

(a) Assessment Conferences Conducted....	<u>1</u>	
(1) Number of Penalty Assessments		
Appealed to Board.....	<u>0</u>	
(b) Enforcement Appeal Hearings.....	<u>0</u>	
(1) Number of Informal Hearings.....	<u>1</u>	
(2) Number of Formal Hearings.....	<u>1</u>	

2. Court Adjudication:^{1*}

(a) Civil Cases.....	<u>0</u>	
(b) Criminal Cases.....	<u>0</u>	

3. Number of Injunctions.....	<u>0</u>	
-------------------------------	----------	--

4. Enforcement Action Taken on Permittees
That Have Developed a Pattern of
Violations.....

0

5. Suspended Permits.....	<u>0</u>	
---------------------------	----------	--

6. Permit Revocation.....	<u>0</u>	
---------------------------	----------	--

7. Bonds Forfeited.....	<u>0</u>	
-------------------------	----------	--

8. Number of Informal Hearings Resulting From
Permit Revocations, Pattern of Violations,
or Bond Forfeiture.....

0

TOTAL
NUMBERCOMMENTS (use
additional sheets
if necessary)

9. Number of Formal Hearings Resulting From
Permit Revocations, Pattern of Violations,
or Bond Forfeiture.....

1

Co-Op Mining Co.
Bear Canyon
Mine

D. Lands Unsuitable Activity:^{1*}

1. Petitions Received:

- (a) Number of Petitions.....
(b) Acreage Involved.....
2. Final Decisions on Petitions Approved
or Denied.....
3. If Approved, Number of Acres Designated
Unsuitable for Mining.....
4. Number of Claims Filed and Accepted for
Valid Existing Rights.....

00000E. Administrative Activity:^{1*}

1. Authorized State Positions.....
2. State Position Vacancies.....
3. Number of Active Inspection Personnel.....

23.504

F. Public Hearings:

1. Regulatory Program (Explain in Comments)
2. Lands Unsuitable.....
3. Other (Explain in Comments).....

000

^{1*} Also Provided in the OSM 51 A, B Interim Grant Report.

^{2*} Also provided in the Bimonthly Report to Bernie Freeman, OSM/AFO.

^{3*} Provided in the Interim Grant Report, Bimonthly report and OSM/AFO data base files.

Addendum A

Applications Received
None

Received

New Permits
None

Issued

** AMENDMENTS RECEIVED AND APPROVED FROM 10/01/92 - 12/31/92 **

-- RECEIVED --

- 1) Utah Fuel Company C/007/005-92J Skyline Mine
TITLE: WATER TANK
RECEIVED 10/02/92
- 2) Utah Fuel Company C/007/005-92K Skyline Mine
TITLE: RESPONSE TO DO 92C
RECEIVED 10/05/92
- 3) Utah Fuel Company C/007/005-92L Skyline Mine
TITLE: RRLO SED POND
RECEIVED 11/02/92
- 4) Utah Fuel Company C/007/005-92M Skyline Mine
TITLE: SW-4 & DD-2 CHANGES
RECEIVED 11/16/92
- 5) Cyprus-Plateau Mining Co. C/007/006-92J Star Point Mines
TITLE: CHANGE ITEM 16 TO CONCRETE PAD & STORAGE SHED
RECEIVED 11/12/92
- 6) Cyprus-Plateau Mining Co. C/007/006-92K Star Point Mines
TITLE: PRODUCTION RATE
RECEIVED 11/25/92
- 7) Sunnyside Reclamation & Salvage C/007/007-92J Sunnyside Mines
TITLE: IBC SLOPE
RECEIVED 10/08/92
- 8) Sunnyside Reclamation & Salvage C/007/007-92K Sunnyside Mines
TITLE: COAL STORAGE
RECEIVED 12/08/92
- 9) Sunnyside Reclamation & Salvage C/007/007-92L Sunnyside Mines
TITLE: LEGAL FINANCIAL
RECEIVED 12/09/92
- 10) Soldier Creek Coal Company C/007/018-92F Soldier Canyon Mine
TITLE: SUBSIDENCE ZONES ROUND II
RECEIVED 12/21/92
- 11) Andalex Resources, Inc. C/007/019-92F Centennial Project/Pinnac
TITLE: POND C RAMP CHANGE
RECEIVED 11/20/92
- 12) Soldier Creek Coal C/007/034-92A Banning Siding Loadout Fa
TITLE: ROAD DESIGN
RECEIVED 10/01/92
- 13) Soldier Creek Coal C/007/034-92B Banning Siding Loadout Fa
TITLE: UPDATED LEGAL FINANCIAL
RECEIVED 10/13/92
- 14) Beaver Creek Coal Company C/015/009-92C Trail Mountain #9 Mine
TITLE: LEGAL, FINANCIAL
RECEIVED 12/04/92
- 15) Consolidation Coal Company C/015/015-92D Emery Deep Mine
TITLE: WASTE DISPOSAL DIVERSION
RECEIVED 10/23/92
- 16) Utah Power and Light C/015/017-92C Des-Bee-Dove Mines
TITLE: ABATEMENT DEFICIENCIES N-91-20-02-01
RECEIVED 11/02/92
- 17) Co-op Mining Company C/015/025-92Q Bear Creek Canyon Mine
TITLE: BLIND CANYON FAN
RECEIVED 10/13/92
- 18) Co-op Mining Company C/015/025-92R Bear Creek Canyon Mine
TITLE: PLATES 2-1,2-2,2-3
RECEIVED 12/04/92
- 19) Co-op Mining Company C/015/025-92S Bear Creek Canyon Mine
TITLE: MONITORING MATRIX FOR DH-1,2,3
RECEIVED 12/07/92
- 20) Co-op Mining Company C/015/025-92T Bear Creek Canyon Mine
TITLE: APP 3-C & 3-H

- 21) Co-op Mining Company C/015/025-92U Bear Creek Canyon Mine
TITLE: SPRING SAMPLING
RECEIVED 12/18/92
- 22) Genwal Coal Company C/015/032-92K Crandall Canyon Mine
TITLE: PARKING AREA
RECEIVED 11/25/92
- 23) Southern Utah Fuel Company C/041/002-92E Convulsion Canyon Mine
TITLE: WASTE SITE DITCH DESIGNS
RECEIVED 11/09/92
- 24) Southern Utah Fuel Company C/041/002-92F Convulsion Canyon Mine
TITLE: SURFACE FACILITIES MAP UPDATE
RECEIVED 12/21/92
- 25) Utah International Inc. C/041/005-92A Knight Mine
TITLE: STAGE 2 RESEEDING
RECEIVED 10/13/92
- 26) Utah International Inc. C/041/005-92B Knight Mine
TITLE: DEER RANGE CHANGE
RECEIVED 11/06/92

-- APPROVED --

- 1) Utah Fuel Company C/007/005-92F Skyline Mine
TITLE: VEGETATION TRIALS ON CONVEYOR BENCH
APPROVED 10/06/92
- 2) Utah Fuel Company C/007/005-92I Skyline Mine
TITLE: RRLO OPEN COAL STORAGE
APPROVED 10/30/92
- 3) Utah Fuel Company C/007/005-92J Skyline Mine
TITLE: WATER TANK
APPROVED 10/05/92
- 4) Utah Fuel Company C/007/005-92L Skyline Mine
TITLE: RRLO SED POND
APPROVED 11/19/92
- 5) Cyprus-Plateau Mining Co. C/007/006-92D Star Point Mines
TITLE: GENTRY MTN AIR SHAFT
APPROVED 10/14/92
- 6) Cyprus-Plateau Mining Co. C/007/006-92J Star Point Mines
TITLE: CHANGE ITEM 16 TO CONCRETE PAD & STORAGE SHED
APPROVED 11/17/92
- 7) Cyprus-Plateau Mining Co. C/007/006-92K Star Point Mines
TITLE: PRODUCTION RATE
APPROVED 12/03/92
- 8) Sunnyside Reclamation & Salvage C/007/007-92C Sunnyside Mines
TITLE: COAL FINE DEPOSITION PREVENTION TO #2 CANYON CHANNEL
APPROVED 11/22/92
- 9) Sunnyside Reclamation & Salvage C/007/007-92J Sunnyside Mines
TITLE: IBC SLOPE
APPROVED 11/20/92
- 10) Sunnyside Reclamation & Salvage C/007/007-92L Sunnyside Mines
TITLE: LEGAL FINANCIAL
APPROVED 12/10/92
- 11) Soldier Creek Coal Company C/007/018-91F Soldier Canyon Mine
TITLE: AS BUILTS
APPROVED 11/17/92
- 12) Soldier Creek Coal Company C/007/018-921 Soldier Canyon Mine
TITLE: SUBSIDENCE BUFFER ZONE
APPROVED 11/17/92
- 13) Soldier Creek Coal Company C/007/018-92A Soldier Canyon Mine
TITLE: #3 FAN AS BUILTS
APPROVED 10/27/92
- 14) Soldier Creek Coal Company C/007/018-92D Soldier Canyon Mine
TITLE: SOILS RESPONSE TO DEFICIENCIES
APPROVED 11/19/92

TITLE: POND C RAMP CHANGE
APPROVED 11/23/92

- | | | |
|--|---------------|---------------------------|
| 16) Soldier Creek Coal
TITLE: UPDATED LEGAL FINANCIAL
APPROVED 10/14/92 | C/007/034-92B | Banning Siding Loadout Fa |
| 17) Consolidation Coal Company
TITLE: INSPECTION
APPROVED 10/23/92 | C/015/015-92A | Emery Deep Mine |
| 18) Utah Power and Light
TITLE: ABATEMENT DEFICIENCIES N-91-20-02-01
APPROVED 11/03/92 | C/015/017-92C | Des-Bee-Dove Mines |
| 19) Co-op Mining Company
TITLE: DIVERSION REVISIONS
APPROVED 11/03/92 | C/015/025-92G | Bear Creek Canyon Mine |
| 20) Co-op Mining Company
TITLE: WATER RIGHTS UPDATE
APPROVED 11/20/92 | C/015/025-92I | Bear Creek Canyon Mine |
| 21) Co-op Mining Company
TITLE: ERODED TIPPLE SLOPE
APPROVED 12/04/92 | C/015/025-92P | Bear Creek Canyon Mine |
| 22) Co-op Mining Company
TITLE: BLIND CANYON FAN
APPROVED 11/19/92 | C/015/025-92Q | Bear Creek Canyon Mine |
| 23) Genwal Coal Company
TITLE: STIPULATION RESPONSE
APPROVED 10/08/92 | C/015/032-91C | Crandall Canyon Mine |
| 24) Genwal Coal Company
TITLE: MINING CHANGE & SUBSIDENCE EFFECTS
APPROVED 10/08/92 | C/015/032-92C | Crandall Canyon Mine |
| 25) Genwal Coal Company
TITLE: CH #10
APPROVED 10/01/92 | C/015/032-92G | Crandall Canyon Mine |
| 26) Genwal Coal Company
TITLE: A PAGE REPLACEMENT
APPROVED 10/07/92 | C/015/032-92J | Crandall Canyon Mine |
| 27) Southern Utah Fuel Company
TITLE: WASTE SITE DITCH DESIGNS
APPROVED 11/18/92 | C/041/002-92E | Convulsion Canyon Mine |
| 28) Southern Utah Fuel Company
TITLE: SURFACE FACILITIES MAP UPDATE
APPROVED 12/23/92 | C/041/002-92F | Convulsion Canyon Mine |
| 29) Utah International Inc.
TITLE: STAGE 2 RESEEDING
APPROVED 11/03/92 | C/041/005-92A | Knight Mine |
| 30) Utah International Inc.
TITLE: DEER RANGE CHANGE
APPROVED 11/13/92 | C/041/005-92B | Knight Mine |
| 31) CONSOLIDATION COAL CO.
TITLE: WINTER QUARTERS EXP
APPROVED 10/02/92 | E/007/035-90A | WINTWER QUARTERS EXP. |
| 32) CONSOLIDATION COAL CO.
TITLE: GRANGER RIDGE
APPROVED 10/02/92 | E/007/035-90B | WINTWER QUARTERS EXP. |
| 33) TRAIL MTN. COAL COMPANY
TITLE: 1991 EAST MTN DRILLING
APPROVED 10/01/92 | E/015/009-91B | TRAIL MOUNTAIN MINE |

COAL BONDS

As of December 31, 1992

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Valley Camp of Utah, Inc. Bellina Mines Complex ACT/007/001	Yes (11/30/89)	79	\$2,300,000	Surety (Ridered)	Aetna Casualty & Surety Co. 25S100723365 (A)	12/7/91	\$29,114	8/24/84 (11/17/89)	Previous bond under Federal Insurance Company. Changed surety companies 12/7/91
Blackhawk Coal Company Willow Creek INA/007/002		(4.2)	(\$10,000) (Released)	Surety (Released)	Safeco Insurance Co. #5615354 (A++)	7/12/84 (7/30/90)	\$2381	12/24/84 (11/17/89)	Original Posted: (Released \$91,550 8/13/85) \$2,585,609 released 7/30/90; Final bond released 8/24/92
Amrax Coal Industries Castle Gate Mine ACT/007/004	Yes (2/5/86)	134.5	\$2,663,603	Surety	National Fire Insurance Company Hartford #929-80-55 (A+)	1/31/86	\$19,952 Permit Transfer	12/24/84 (12/24/90)	
Coastal States Energy Skyline Mine ACT/007/005	Yes (12/1/89)	62.41	\$3,180,000	Surety	United Pacific Ins. Co. #U605244-6 (A-)		\$50,953	6/20/80 (4/30/87) (5/1/92)	Original Bond Amount - \$1,850,500 (6/20/89); Bonds replaced 7/30/90; Rider added 3/15/90; Rider added 6/9/92; Reclamation Agreement being updated
Cyprus Plateau Mining Corp. Star Point Mine ACT/007/006	Yes (1/4/91)	173.2	\$4,830,000	Surety	Aetna Casualty & Surety Co. 64S100208576BCA (A)	11/26/85	\$27,887	(8/7/87) (1/28/92)	Reclamation Agreement Signed 11/2/90; Ridered "termination" language 9/91
Cyprus Plateau Mining Corp. Exploration		3	\$50,000	Surety	Aetna Casualty 64S100767004BCA (A)	9/21/92			Exploration Project
Sunnyside Coal Company Sunnyside Mine ACT/007/007	Contract (12/1/89)	287.4	\$2,639,088	Combination	C.D. issued for \$75,000 at Zions First National Bank. First Deed of Trust for Undisturbed Land and Water Rights; Agreement 8/28/89	8/31/89	\$9,183	1/6/86 (1/6/91)	Escrow Agreement Finalized 6/90 3/13/89 Active Status; Transferred from Kaiser Coal Co. 5/26/89

COAL BONDS

As of December 31, 1992

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Kaiser Coal Corp. Sunnyside Mine ACT/007/007	Special		(\$3,397,349)		Filed Chapter 11 2/13/87; Agreement with SRS 3/9/89; Transferred to SRS Replaced by SRS Bond	1/6/86			
Sunedo Sage Point-Dugout Canyon REV/007/009	No Disturbanc e		(\$611,875) (Released)	Surety (Released)	Federal Insurance Co. #8090-86-10 (A++)	12/8/80	Bond released 5/19/87 No disturbance	(Permit Revoked) 5/19/87	
U. S. Fuel Co. Hiawatha Mines Complex ACT/007/011	Special	290	\$1,450,000 \$2,329,000	Surety Self Bond	Insurance Company of North America K01733369 (A-) DOGM and OSM	4/15/83 12/16/86	\$13,031	3/13/87 (3/13/92)	
Kaiser Coal Corp. Wellington Prep. Plant ACT/007/012	Yes	356	(\$4,360,775)	Self-Bond	Division of Oil, Gas and Mining; Filed Chapter 11 2/13/87; Replaced by Genwal ILOC	1/31/86 Permit Transferred 10/10/89	\$12,249	12/10/84	Bankrupt
Castle Valley Resources Wellington Prep. Plant ACT/007/012	Yes (8/16/91)	356	\$2,591,000	Surety	Safeco Insurance Co. #5612986 (A++)	10/26/89	\$ 7,278	(12/10/89)	Permit Transfer to Genwal 10/10/89; Permit Transfer to Castle Valley Resources 12/5/91
Kaiser Coal Corp. Geneva (Horse Canyon Mine) ACT/007/013		50	(\$918,649)	Self Bond	Division of Oil, Gas and Mining; and OSM	Filed Chapter 11 2/13/87	\$18,373		Transferred from U.S. Steel 11/4/85
Kaiser Coal Corp. Horse Canyon Mine ACT/007/013		50	(\$1,359,600)	Irrevocable Letter of Credit	Chase Manhattan Bank No. PG632732	4/12/90	27,192		Released by OSM 1/26/91; DOGM 1/27/91

COAL BONDS

As of December 31, 1992

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acres	Date Original Permit Issued (5-Yr Renewal)	Comments
Intermountain Power Agency Horse Canyon Mine ACT/007/013	Yes (7/3/90)	50	\$1,950,002	Irrevocable Letter of Credit	Zions First National Bank	7/2/90	39,000	5/6/91	IPA Acquired Horse Canyon Mine 4/5/90; Permit issued 5/6/91; Bond increased 5/3/91
Mountain Coal Co. Gordon Creek #2, 7 & 8 ACT/007/016	Yes (8/28/89)	17.58	\$641,443 \$45,900	Surety Surety	United Pacific Insurance Co U-62-99-65 (A-) #8082-93-00 (A-)	8/14/87 11/22/77	\$39,098	8/27/84 (8/28/89)	Ridered "Termination" language 9/91
Mountain Coal Co. Gordon Creek #3 & #6 ACT/007/017	No	17.3	\$138,400	Surety	United Pacific Insurance Co. U-629895 (A-) Phase I-Bond Release Effective 6/26/87 Ridered 7/13/87	9/19/86 7/13/87	\$8,000	9/19/86 (11/13/91)	Original Bond Amount \$346,000
Soldier Creek Coal Co. Soldier Canyon Mine ACT/007/018	Yes (5/2/91)	22.80	\$3,238,000	Surety	Federal Insurance Co. #8107-37-63 (A++) Rider	9/87 (5/91)	142,018	6/10/85 (2/3/92)	Increased from \$577,000 5/2/91; Increased in conjunction with renewal
Andalex Resources Centennial Project ACT/007/019	Yes (7/6/90)	34.2	\$381,839 \$699,000	Surety Surety	Utica Mutual Insurance #34593 (A) & SU1354086	5/16/83 (7/3/90)	\$31,603	1/4/82 (3/3/87) (1/3/92)	Increased to \$1,080,839 on 7/3/90
North American Equities Blazon #1 Mine REC/007/021	No	1.5	\$38,000 (Forfeited)	Irrevocable Letter of Credit \$43865	United Bank of Denver	5/5/89	\$25,333	11/12/85	LOC with First Interstate Bank replaced 2/91; Amount reduced from \$48,400 4/30/91; Bond forfeited 5/24/91-Cashier's Check to Division
Mountain Coal Co. C.V. Spur ACT/007/022	Yes (8/7/89)	160	\$2,441,745	Surety	United Pacific Insurance Company (A-) U-629894	4/22/87	\$15,261	8/6/85 (8/6/89)	Ridered "Termination" language 9/91

COAL BONDS

As of December 31, 1992

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Andalex Resources, Inc. Wildcat Loadout Facility ACT/007/033	Yes (5/5/89)	60	\$813,795	Surety	Continental Casualty Co. 400776222	12/1/92	\$13,563	5/5/89	Changed from Pittsburgh National Bank in 4/92; Replaced LLOC 12/9/92
Soldier Creek Coal Co. Banning Siding ACT/007/034	Yes (10/20/89)	21.4	\$211,000	Surety	Federal Ins. Co. #8107-37-63 (A++)	10/12/88	\$9,860	10/24/88	
Cyprus Plateau Mining Corp. Blackhawk Exploration Site CEP/007/038	No	3.1	\$50,000	Surety	Aetna Casualty & Surety Company 64S100767004BCA (A)	9/21/92	\$16,129		Exploration Project
Western States Minerals J. B. King ACT/015/002	No	28	\$126,078	Surety	Seaboard Surety Co. #104570 (A+) Phase I Bond Release (effective 5/20/86) Ridered 4/28/86	(4/28/86)	\$4,503	8/13/85 (8/13/90)	Original Bond Amount - \$262,577
Mountain Coal Co. Huntington #4 ACT/015/004	No	12.5	\$144,042	Surety (Ridered)	Federal Ins. Co. #5082-89-88 (A++) (Phase I-60% bond release effective 11/10/86 rider - 12/31/86)	4/15/85 (12/12/86) 12/12/86	\$11,523	4/29/85 (4/29/90)	Original Bond Amount - \$360,102, Ridered "termination" language 9/91
Hidden Valley Coal Co. Hidden Valley Mine REC/015/007	No	6.7	\$68,606	Surety	St. Paul Fire & Marine Ins. Co. #400 HJ 8041 (A+) Phase I bond release effective 7/17/88	12/30/86 (7/17/88)	\$10,240	1/28/87 (1/29/92)	Original Bond Amount - \$171,515

COAL BONDS

As of December 31, 1992

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
PacificCorp Trail Mountain Mine ACT/015/009	Yes (10/12/92)	9.45	\$700,000	Surety	American Casualty Co. of Reading, PA #700819575 (A+)	9/29/92	74,074	2/21/85 (2/21/90)	Federal Mine Approval Tract 1 & 2 Transfer effective 11/23/87; Federal Lease Tract approved 5/15/91; Ridered "termination" language 9/91; Ridered increased amount and disturbance on 4/28/92 (from \$463,711 and 8.8 acres). Transferred from Mountain Coal Company to PacificCorp 11/13/92
Consolidation Coal Co. Emery Deep ACT/015/015	Yes (8/10/92)	247	\$3,454,443 (for mine & prep plant areas)	Surety	Seaboard Surety #188617 (A+)	12/11/85 (5/3/91)	\$13,986	6/8/82 & 1/7/86 (1/8/91)	
PacificCorp Des-Bee-Dove ACT/015/017	Yes (12/13/90)	74.5	\$1,837,712	Surety	American Casualty Co. of Reading, PA. #926-00-83 (A+)	1/25/85	\$24,667	8/29/85 (5/31/91)	New Bond Submitted for PacificCorp 12/90; Ridered "termination" language 9/91
PacificCorp Deer Creek ACT/015/018	Yes (12/13/90)	56	\$2,000,000	Surety	American Casualty Co. of Reading, PA. #927-21-58 (A+) Rider effective 9/17/92	3/15/85 (9/17/92)	\$35,714	2/7/86 (2/7/91)	Waste Rock Storage Added 9/88; Original Bond Amount - \$1,224,000; New Bond Submitted for PacificCorp 12/90; Ridered "termination" language 9/91; Increased from \$1,724,000 to include amendment changes 9/92
PacificCorp Cottonwood/Milberg ACT/015/019	Yes (12/13/90)	66.92	\$2,071,098	Surety	American Casualty Co. of Reading, PA. #924-98-19 (A+)	6/15/84 (11/3/89) (6/7/90)	\$30,949	7/6/84 (7/6/89)	Original Bond Amount-\$1,294,522 Ridered 6/7/90 for Waste Rock Site - \$1,586,008 (New Bond Submitted 11/20/90 for PacificCorp with revised amount); Ridered "termination" language 9/91

COAL BONDS

As of December 31, 1992

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Co-Op Mining Co. Trail Canyon ACT/015/021	No	10	\$200,000	Irrevocable Letter of Credit	West One Bank #S-557	6/15/89	\$20,000	5/30/89	Automatically Renewable
Co-Op Mining Co. Bear Canyon ACT/015/025	Yes (8/11/89)	10	\$290,000	Irrevocable Letter of Credit	Capital City Bank #1055	Amended 10/20/92 (for C.W. Mining) Expires 10/24/94	\$29,000	11/1/85 (5/20/91)	Automatically Renewable
Genwal Coal Co. Crandall Canyon Mine ACT/015/032	Yes (6/13/89)	9.7	\$268,000	Surety	Safeco Ins. Co. #4689175 (A++)	7/30/90	\$27,629	(6/14/89)	Replaced ILOC 7/30/90 with Surety
Genwal Coal Co. Crandall Canyon Mine ACT/015/032	No	5.1	\$10,000	Cash	(Mohrland Loadout)	7/11/88	1,961		Still held but should probably be released
New Tech Mining Co. (Exploration) Black Jack #1 Mine ACT/019/004		7.2	(\$30,534.49)	Escrow Account	First Interstate Bank #72-3024-006 Revoked Permit 9/88	1/23/84 & 12/14/79	\$4,241		Bond forfeited; Division preparing reclamation contract to complete reclamation in 1992; Reclamation completed November 1992
Coastal States Energy Co. Southern Utah Fuel Co. Convulsion Canyon Mine ACT/041/002	Yes (8/26/88)	67.79	\$1,690,000	Surety	United Pacific Insurance Co. U605244-14 (A-)	4/12/91 7/23/92	\$24,930	5/19/87 (6/20/92)	Ridered 7/23/92; Reclamation Agreement needs updated
Coal Search Corp. Knight Mine ACT/041/005	Yes (85 version)	40	\$800,000	Surety	Seaboard Surety Co. #164898 (A+)	9/16/90	\$20,000	10/31/88	Federal Ins. Co. Surety replaced 9/16/90; Phase I Bond Release is pending
Summit Minerals Blackhawk Mine REV/043/001	No	19	\$120,300	Subord. Agreement	Division (Real Estate in Wallsburg, UT) (Permit Denied)	6/4/86	\$6,332	2/26/88 Permit Denial	In process of selling collateral bond

COAL BONDS

As of December 31, 1992

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Summit Coal Co. Boyer Mine ACT/043/008	No	7	\$100,900	Subord. Agreement	Division (Real Estate in Park City, Utah) Permit Revoked 8/4/89	8/2/85	\$14,414	5/15/87	Collateral Bond has been sold and money in possession of State

*All of the bonding companies are listed in the Federal Register, July 1, 1992, the Department of Treasury listing of Surety Companies acceptable on Federal bonds.

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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangert
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

Gen. Coal Com

February 12, 1993

TO: Lowell P. Braxton, Acting Director

FROM: Pamela Grubaugh-Littig, Permit Supervisor *pgl*

RE: Tentative "A" Team Permitting Schedule

Permitting actions for the "A" Team are two permanent program permits, three five-year permit renewal (ongoing review of resubmitted plan), three mid-terms, five coal lease tracts, and three reclamation reviews. The major permitting actions are:

PERMANENT PROGRAM PERMIT ISSUANCE

Garfield Coal Company

*	Met with Representatives for Mapping	04/29/92
*	Met with Hydrologist on Project	05/12/92
*	Met with Soils Representative	09/92
*	Met with Hydrologist Re: PHC	11/19/92
*	Met with Patrick Collins	12/10/92
*	Update Letter to Director	12/23/92
*	Submit to Division	02/93

Sunnyside Cogeneration Associates

(Environmental Power Corporation)

*	Permit Transfer with PAP submittal	08/20/92
*	Letter Sent to EPC Stating Need Separate Permit	09/10/92
*	Clarification of Mining and AML Fees (Letter Sent)	09/21/92
*	Completeness Issues Letter Sent	10/21/92
*	Meeting with SCA Consultants	10/22/92
*	Completeness Issues Response	10/27/92
*	Determination of Completeness	10/28/92
*	TD Issued	11/25/92
*	Applicant Response	12/03/92
*	Meeting with Applicant, Attorneys & Consultants	12/18/92
*	Deficiency Response	01/08/93
*	Permit Issued with 20 Conditions	02/04/93

FIVE-YEAR RENEWALS

Co-Op Mining Company: Bear Canyon Mine

* Operator Submits Five-Year Renewal Application	07/13/90
* Division Issues Determination of Completeness	09/01/90
* Technical Deficiency Sent to Operator	09/19/90
* Formal Protest to Five-Year Renewal;	
Request for Informal Hearing	10/10/90
* Operator Response	10/19/90;
	10/22/90;
	10/31/90
* CO #C90-26-1-1 Issued Due to Publication Problems	11/02/90
* NOV #N90-34-1-1 Issued Due to Need	
for Updating Maps in Plan	11/26/90
* Division Order Issued Requesting 18 Permit Changes	11/27/90
* Operator Submits Partial Response to Division Order	01/21/91
* Operator Submits New Maps	02/25/91
* Inadequacy of Maps Informally Given to Operator	03/21/91
* Operator Submits Revised Maps	04/08/91;
	04/22/91
* Operator Submits Partial Response to	
Division Order (NOV #N91-20-1-1)	04/24/91
* Hindrance Violation Issued Due to	
Failure to Submit All Information to Division Order	04/26/91
* Updated Maps and Plans Submitted	05/03/91;
	05/17/91
* Permit Renewed	05/20/91
* More Information Re: The Division	
Order is Submitted by Operator	05/24/91
* Technical Review of Division Order Completed	
(NOV Terminated)	09/03/91
* More Division Order Information Submitted	12/30/91
* Complete Reclamation of Highwall Approved	05/03/92
* Hydrogeologic Information Submitted	07/31/92
* Division Letter Sent Stating Revised PHC Required	08/04/92
* Revised PHC Submitted	08/17/92
* Revised PHC Resubmitted	09/17/92
* Meeting with Operator re: Deficiencies	11/13/92
* Response Received	12/11/92
* Technical Review Due	02/15/93

Sunnyside Coal Company: Sunnyside Mine

- * Operator Submits Five-Year Renewal
Application in New Format 10/09/90
- * Division Issues Completeness 11/20/90
- * Permit Successively Renewed 01/20/91
- * Overall Field Review 07/10/91
- * Division Continues Review of New
Format Application 12/91
- * Completeness Document Sent 02/07/92
- * Operator Response Due 03/31/92
- * Extension Granted for Submittal 07/06/92;
09/01/92;
10/01/92;
12/01/92
- * Final Extension Granted to 02/15/93

PacifiCorp: Deer Creek Mine

- * Operator Submits Five-Year Renewal
Application in New Format 10/09/90
- * Division Issues Completeness on Old Application 12/07/90
- * Permit Successively Renewed on Old Application 02/07/91
- * Operator Submitted Updated Legal & Financial Information 01/15/92
- * Operator Submits "Rosetta Stone" to Decipher
Approved Plan to Reformatted Plan 03/16/92
- * Review Sent 04/15/92
- * Meeting on Plan 06/17/92
- * Second Meeting on Plan 08/13/92
- * Team Review of Updates Approved 09/11/92
- * Midterm Review of Plan Due 05/01/93

MID-TERM REVIEWS

- * Wildcat Loadout - Begin July 1991
Letter Sent 09/16/91 to Commence Mid-Term
Completed December 4, 1991
- * C.V. Spur - Begin September 1991
Letter Sent 09/17/91 to Commence Mid-Term
Letter Sent 02/04/92
Response Received 04/15/92
Review Sent 06/08/92
Response Due 06/25/92
Completed 06/30/92
- * Cottonwood/Wilberg - Begin September 1991
Letter Sent 09/17/91 to Commence Mid-Term
Letter Sent 02/04/92
Response Due 03/06/92 (Extended to 03/20/92)
Received 03/25/92
Review Sent 08/01/92
Response 10/15/92 and 12/11/92
Approved 01/07/93
- * Gordon Creek #2, #7 & #8 - Done 02/26/92
- * Trail Mountain - Letter Sent August 21, 1992
Due October 1, 1992
Extended to 10/30/92
Response Received 10/30/92
Review Sent 12/07/92
Response Received 01/07/93
Completed 02/09/93
- * Deer Creek - Begin May 1993
Due July 1993
- * Des-Bee-Dove - Begin March 1, 1993
- * Bear Canyon - Begin April 1993

LEASE TRACTS

Bear Canyon Lease Tract

* Division Received	12/21/89
* Initial Completeness Review Issued to Operator	03/01/90
* Other Agency Comments Sent to Operator	06/11/90
* Operator Response	07/13/90
* Determined Complete	09/25/90
* Technical Deficiency Sent to Operator	12/04/90
* Partial Operator Response	01/02/91
* Informal Hearing	02/05/91
* Response to Informal Hearing	05/20/91
* Resubmitted Copies for Other Agencies	01/04/93
* Sent to Other Agencies	01/07/93
* Review From Other Agencies Due	02/19/93
* **Technical Analysis	
* Document Sent to Washington	
* State Permit Issued	

- ** Co-Op Mining Company drilled underground monitoring three (3) holes. Consultant report forthcoming. The Federal Lease Tract Addition is delayed indefinitely. Sent letter 08/04/92 stating that Federal Lease Tract cannot be considered until revised PHC submitted and reviewed. Revised PHC Submitted 09/17/92. Letter sent 10/5/92 regarding updated copies needed for agencies. Updated copies received 1/5/93, transmitted to agencies 1/12/93.

Rilda Canyon (Deer Creek Mine)

* Division Received	02/12/90
* Initial Completeness Review (with other agency comments)	05/23/90
* Partial Operator Response (hydro missing)	10/15/90
* PHC Information Sent	05/01/91
* Second Operator Response Sent to Division	12/26/91
* PHC Review Sent to Operator	02/10/92
* PHC Partial Operator Response	02/26/92
* Update Request of Plan Sent	03/06/92
* Operator Response (PHC)	03/25/92
* Division PHC Review Sent	05/15/92
* Operator Response (PHC)	07/15/92
* Division Concern Letter Sent	07/22/92
* IBC Submitted	09/18/92

LEASE TRACTS (Continued)

Rilda Canyon-Deer Creek Mine (Continued)

*	IBC Info Sent to OSM, Denver	11/04/92
*	IBC Approved	01/06/93
*	Operator Submits More Information	02/19/93
*	Completeness Review	05/93
*	Determine Complete	06/93
*	Technical Analysis	08/93
*	Send to Washington	09/93
*	State Permit Issued	10/93

Castle Valley Ridge Lease Tract/Star Point
(In Conjunction with Five-Year Renewal)

*	Division Receives	09/17/91
*	Division Reviews for Completeness	
	Issues ICR/TD	05/20/92
*	PHC Update Submitted	05/15/92
*	Division Review of PHC Sent	08/04/92
*	Determined Not Complete Letter Sent	08/14/92
*	PHC Review Response Received	09/28/92
*	PHC Review Sent	12/03/92
*	Response Received	01/15/93
*	Division Review Sent	02/16/93
*	Response Due	03/16/93
*	Determine Complete	03/22/93
*	Technical Analysis	06/93
*	Send to Washington	07/93
*	State Permit Issued	09/93

Sunnyside Coal Company - "B" and "C" Canyon

*	Sunnyside Mine Reps Met with Division	03/25/92
	Re: Permitting (Met w/Bob Burnham 5/7/92)	
*	Division Receives	06/93

Horse Canyon: South Lease

*	Meeting to Discuss Permitting	02/04/93
*	Submit Application	04/93

RECLAMATION REVIEW - Work To Be Done

- * Gordon Creek #2, #7, & #8 - Closed November 1, 1990.
Partially Reclaimed 1991.
Highwall Review Meeting Held 02/25/92.
Resubmitted Highwall & Reclamation
Information 05/07/92.
NOV #N92-20-1-1 Issued 06/15/92 Due to Lack
of Information in Plan.
Meeting with Dan Guy, Scot Anderson (Arco
Legal Counsel) on 06/25/92.
Abatement Date 06/29/92.
Informal Hearing Held 07/14/92. Division Order
92-A (Review Comments) Sent 07/27/92.
Agreement Letter of Schedule Sent to Scott
Anderson 08/17/92. Approval of Highwalls
09/10/92. Some Reclamation Work Done in
1992, Balance in 1993.
Reclamation Resubmittal Received 02/01/93.
ICR & TD Review Due 03/12/93.
- * J.B. King
 - Three NOVs Written and Upheld by Director,
Numerous Exchanges.
Reclamation Plan Justifying Doing Nothing
Submitted 09/15/92.
Meeting with Dianne 10/23/92.
Memos to Dianne & Lowell 11/12/92,
Re: Abatement Plan Deficiencies.
Letter Sent 12/07/92; Violation Modified.
Response Received 01/21/93.
NOVs Extended to 05/28/93.
- * Hidden Valley
 - Division Upheld NOV N91-26-8-2.
Board Upheld 07/30/92.
Third District Upheld 11/05/92.
Appealed to Supreme Court 01/93.
Need to Implement Abatement Plan By 02/20/93
(Vegetation) and 04/01/93 (Erosion Control).

jbe
cc: Joe Helfrich
Daron Haddock
"A" Team
A:\PERMSCHE.MEM

UTAH DIVISION OF OIL, GAS AND MINING SIGNIFICANT PERMIT DATES, COAL PROGRAM

<u>MINE NAME</u>	<u>PERMIT NUMBER</u>	<u>PERMIT APPROVAL (RENEWAL)</u>	<u>MID-TERM</u>	<u>SUBMITTAL DATE FOR RENEWAL</u>	<u>RENEWAL</u>	<u>COMMENTS</u>
Belina Complex	ACT/007/001	08-24-84 (07-05-90)	02-24-92	04-24-94	08-24-94	Permit Renewed; Completed Mid-term 8-5-92
Willow Creek	ACT/007/002	12-24-84 (05-25-90)	N/A	N/A	12-24-94	Split from PRCC PAP/ Reclamation; Plan Submitted; Bond Released 8/24/92
Castle Gate Mines	ACT/007/004	12-24-84 (12-24-90)	06-24-92	08-24-94	12-24-94	1 yr permit issued from 12-24-89 to 12-24-90; Commenced Reclamation 1992; Mid-term in Progress
Skyline	ACT/007/005	12-01-84 (12-01-89) (05-01-92)	11-01-94	12-30-96	04-30-97	Initial Operations started 4-30-82
Star Point	ACT/007/006	08-07-87 (01-28-92)	07-28-94	09-28-96	01-28-97	Mid-term Review Completed 3-90; 5-Year Renewal 1-28-92
Sunnyside	ACT/007/007	01-20-86 (01-20-91)	07-20-93	09-20-95	01-20-96	Mid-term Completed 9-7-88; Permit Transfer to SRS Completed 5-26-89; (Now Sunnyside Coal Company), Renewed successively 1-20-91; Revised Application Submitted 02/15/93

Gen Deal

UTAH DIVISION OF OIL, GAS AND MINING SIGNIFICANT PERMIT DATES, COAL PROGRAM

Page 2

<u>MINE NAME</u>	<u>PERMIT NUMBER</u>	<u>PERMIT APPROVAL (RENEWAL)</u>	<u>MID-TERM</u>	<u>SUBMITTAL DATE FOR RENEWAL</u>	<u>RENEWAL</u>	<u>COMMENTS</u>
Sage Point Dugout	ACT/007/009	06-05-84	N/A	N/A	Revoked 05-19-87	Mid-term Completed 12-17-86; Permit Revoked/Returned Bond on 5-19-87
Hiawatha	ACT/007/011	03-13-87 (03/14/92)	09-14-94	11-14-96	03-14-97	Starting Reclamation
Wellington Prep.	ACT/007/012	12-10-89	06-10-92	08-10-94	12-10-94	Mid-term Completed 9-30-92; Permit Transferred 10-10-89; Renewal Completed 12-10-89; Permit Transferred to CVR 12-5-91
Horse Canyon	ACT/007/013	05-06-91	N/A	01-06-95	05-06-95	Second Completeness Review Sent 5-31-88; Determined Complete 2-26-90; IPA Assumed Ownership 4-5-90; PAP submittal 8-15-90; Permit Approved 5-6-91
Gordon Creek #2, #7 & #8	ACT/007/016	08-28-84 (08-28-89)		04-28-94	08-28-94	Renewal Completed 8-28-89; Mine Closed 11-90; Mid-term 2-26-92; Reclamation Plan Submitted 2/1/93; Reclamation to be Completed in 1993

UTAH DIVISION OF OIL, GAS AND MINING SIGNIFICANT PERMIT DATES, COAL PROGRAM

Page 3

<u>MINE NAME</u>	<u>PERMIT NUMBER</u>	<u>PERMIT APPROVAL (RENEWAL)</u>	<u>MID-TERM</u>	<u>SUBMITTAL DATE FOR RENEWAL</u>	<u>RENEWAL</u>	<u>COMMENTS</u>
Gordon Creek #3 & 6	ACT/007/017	09-19-86 (11-12-91)	N/A		09-19-96	Reclaimed Fall '86; Phase I Bond Release 6-26-87; Renewed 11-12-91; Phase II Bond Release Application Denied 10-92
Soldier Canyon	ACT/007/018	02-03-87 (02-03-92)	08-04-94	10-03-97	02-03-97	
Centennial	ACT/007/019	01-04-87 (01-03-92)	07-04-94	09-04-97	01-04-97	
Blazon #1	ACT/007/021	11-12-85	N/A	N/A	11-12-90	Reclaimed Fall '88; Permit Expired 11-12-90 (Board Hearing); Bond forfeited 5-24-91; Some Reclamation Completed in 1991
C. V. Spur Prep.	ACT/007/022	08-07-84 (08-07-89)		04-07-94	08-07-94	Renewal Completed 8-7-89; Mid-term Completed 6-30-92
Wildcat Loadout	ACT/007/033	05-05-89		01-05-94	05-05-94	Original Permit Issued 5-5-89; Mid-term Completed 12/91
Banning Loadout	ACT/007/034	10-24-88	04-24-91	06-24-93	10-24-93	Permit Stipulations Approved; Mid-term Completed 8-26-91
Sunnyside Cogeneration	ACT/007/035	02-04-93	08-04-95	10-04-97	02-04-98	Issued w/20 Conditions
Blackhawk Exploration	EXP/007/038	07-09-92	N/A	N/A	N/A	Exploration Project

UTAH DIVISION OF OIL, GAS AND MINING SIGNIFICANT PERMIT DATES, COAL PROGRAM

Page 4

<u>MINE NAME</u>	<u>PERMIT NUMBER</u>	<u>PERMIT APPROVAL (RENEWAL)</u>	<u>MID-TERM</u>	<u>SUBMITTAL DATE FOR RENEWAL</u>	<u>RENEWAL</u>	<u>COMMENTS</u>
J. B. King	ACT/015/002	08-13-85 (08-13-90)	N/A	04-13-95	08-13-95	Reclaimed Fall '85; Phase I Bond Released 5-20-86; Renewed 8-13-90
Huntington #4	ACT/015/004	04-29-85 (04-29-90)	N/A	12-29-94	04-29-95	Reclaimed Fall '85; Phase I Bond Released 11-10-86; Renewal Completed 4-29-90
Hidden Valley	ACT/015/007	01-28-87 (01-30-92)	N/A	09-29-96	01-29-97	Reclaimed 12-87; Phase I Bond Release 7-17-88; Renewal Completed 1-30-92
Trail Mountain	ACT/015/009	02-21-85 (02-21-90)		10-21-94	02-21-95	Federal Lease Approved 5-15-91; Permit Transferred to PacifiCorp 11-13-92; Mid-term Completed 2-9-93
Emery Deep	ACT/015/015	01-07-86 (01-08-91)	07-07-93	09-07-95	01-07-96	
Des-Bee-Dove	ACT/015/017	08-29-85 (05-31-91)	03-01-93	04-29-95	08-29-95	Mid-term Completed 1-30-89; Five-Year renewal response 9-28-90/CO issued; Permit renewed 5-31-91; Mid-term Commenced 2-26-93
Deer Creek	ACT/015/018	02-07-86 (02-07-91)	08-07-93	10-07-95	02-07-96	Revised State Permit Issued 9-13-88; Mid-term Completed 12-08-88; Successively Renewed 2-7-91

UTAH DIVISION OF OIL, GAS AND MINING SIGNIFICANT PERMIT DATES, COAL PROGRAM

Page 5

<u>MINE NAME</u>	<u>PERMIT NUMBER</u>	<u>PERMIT APPROVAL (RENEWAL)</u>	<u>MID-TERM</u>	<u>SUBMITTAL DATE FOR RENEWAL</u>	<u>RENEWAL</u>	<u>COMMENTS</u>
Cottonwood/Wilberg	ACT/015/019	07-06-84 (07-06-89)		03-06-94	07-06-94	Renewal Completed 7-6-89; Waste Rock Facility Approved 6-8-90; Mid-term Completed 1-7-93
Trail Canyon	ACT/015/021	05-30-89	N/A	01-26-94	05-30-94	Reclamation Permit Issued 5-30-89
Bear Canyon	ACT/015/025	11-01-85 (05-20-91)	04-01-93	07-01-95	11-01-95	Mid-term Completed 3-30-89; Fee Lease Addition Approved 8-11-89; CO Issued 11-12-90; Informal hearing (Protests)
Crandall Canyon	ACT/015/032	(06-14-89) 11-08-82 OSM Approval 05-13-83 DOGM Approval	11-13-90	01-13-93	05-13-93	Permit Renewal 6-14-89; Revised permit issued 7-27-89; 2nd revised permit 8-8-90; 3rd revised permit issued 4-22-91; Renewal Application Received 1-12-93
Garfield Coal Co.	PRO/017/019					
Smokey Hollow	PRO/025/002					
Summit Minerals	ACT/041/001	02-26-88*	N/A	N/A	N/A	Determined Administratively Complete 6-26-92 Permit Denial 2-26-88; Bond Forfeited

UTAH DIVISION OF OIL, GAS AND MINING SIGNIFICANT PERMIT DATES, COAL PROGRAM

Page 6

<u>MINE NAME</u>	<u>PERMIT NUMBER</u>	<u>PERMIT APPROVAL (RENEWAL)</u>	<u>MID-TERM</u>	<u>SUBMITTAL DATE FOR RENEWAL</u>	<u>RENEWAL</u>	<u>COMMENTS</u>
Convulsion Canyon	ACT/041/002	05-19-87 (05-20-92)	11-20-94	01-19-97	05-19-97	Revised Permit Issued 8-26-88; Quitchupah Lease Tract Addition Permit Issued 12-21-89
Knight	ACT/041/005	10-31-88	N/A	N/A	10-31-93	Permit Renewal 10-31-88; Reclaimed Fall '87; Approved Stage II reclamation 7-6-90; Requested Phase I Bond Release 05-22-92
Boyer	ACT/043/008	05-15-87	N/A	N/A	N/A	Permit Approval 5-15-87; Permit Revoked 8-4-89; Portals sealed 10-12-90; Bond Forfeited

*** Permit Denial**

jbe
cc: L. Braxton
P. Grubbaugh-Litig
D. Haddock
J. Helfrich
A:\TABLE.DAT



Norman H. Bangertter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

Gen. Coal

March 15, 1993

Mr. Steve Rathbun
Inspection and Enforcement
Office of Surface Mining
505 Marquette N.W., Suite 1200
Albuquerque, New Mexico 87102

Dear Mr. Rathbun:

Re: Inspection Schedule for April, May and June, 1993

The Division's tentative mine inspection schedule for the months of April, May and June 1993 is enumerated below:

Week of April 5-9, 1993

Steve Demczak	Blackhawk Exploration	E
	Centennial Project	C*
Paul Baker	Castle Gate	P
	Knight Mine	C*
Jim Smith	Crandall Canyon	P
Jesse Kelley	Gordon Creek #2, #7 & #8	P
	Wildcat Loadout	C
Bill Malencik	J.B. King	P
	Hidden Valley	P
	Huntington #4	P

Page 2
Inspection Schedule
April - June 1993
March 15, 1993

Week of April 12-16, 1993

Steve Demczak	Belina Complex	C*
	Wellington Prep	P
Sharon Falvey	Soldier Canyon	P
Susan White	Bear Canyon	P
	Trail Canyon	C
	Horse Canyon	P
Bill Malencik	Star Point	C
	Cottonwood/Wilberg	P
	Gordon Creek #3 & #6	P

Week of April 19-23, 1993

Steve Demczak	Skyline	P
	Emery Deep	P
Wayne Western	Convulsion Canyon	P
Daron Haddock	Boyer	P
	Summit Minerals #1	P
Henry Sauer	Sunnyside	P
Hugh Klein	Sunnyside Cogeneration	P
	Trail Mountain	C
Bill Malencik	C.V. Spur	C
	Deer Creek	P

Week of April 26-30, 1993

Steve Demczak	Hiawatha	P
	Banning Loadout	P
Randy Harden	Blazon #1	P
Bill Malencik	Des-Bee-Dove	C

Page 3
 Inspection Schedule
 April - June 1993
 March 15, 1993

Week of May 3-7, 1993

Steve Demczak	Blackhawk Exploration	E
	Centennial Project	P
Paul Baker	Knight Mine	P
	Castle Gate	C*
Hugh Klein	Sunnyside Cogeneration	P*
	Cottonwood/Wilberg	P*
	Trail Mountain	P*
Bill Malencik	Wildcat Loadout	P*
	Sunnyside	P*
Ken Wyatt	Deer Creek	C
	Trail Canyon	P*

Week of May 10-14, 1993

Jim Smith	Crandall Canyon	P
Steve Demczak	Wellington Prep	C*
	Belina Complex	P
Sharon Falvey	Soldier Canyon	C*
Jesse Kelley	Gordon Creek #2, #7 & #8	C
Susan White	Bear Canyon	C
	Huntington #4	P*
Henry Sauer	Horse Canyon	P*
Bill Malencik	Gordon Creek #3 & #6	C
	C.V. Spur	P*

Week of May 17-21, 1993

Steve Demczak	Hiawatha	C*
	Skyline	P
	Emery Deep	C*
Tom Munson	J.B. King	C
	Hidden Valley	C
Bill Malencik	Star Point	P*

Page 4
Inspection Schedule
April - June 1993
March 15, 1993

Week of May 24-28, 1993

Wayne Western	Convulsion Canyon	C*
Steve Demczak	Banning Loadout	P
Randy Harden	Blazon #1	P
	Boyer	P
	Summit Minerals #1	P

Week of June 1-4, 1993

Steve Demczak	Blackhawk Exploration	E
	Centennial Project	P
Jim Smith	Crandall Canyon	C*
Bill Malencik	Trail Mountain	P
Ken Wyatt	Cottonwood/Wilberg	C
Tom Munson	Horse Canyon	C
	Star Point	P

Week of June 7-11, 1993

Sharon Falvey	Soldier Canyon	P
Steve Demczak	Wellington Prep	P
	Skyline	C*
Bill Malencik	Deer Creek	P*
	Gordon Creek #3 & #6	P*
Jesse Kelley	Wildcat Loadout	P
	Gordon Creek #2, #7 & #8	P*
	C.V. Spur	P

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Inspection Schedule
April - June 1993
March 15, 1993

Week of June 14-18, 1993


Steve Demczak	Emery Deep	P
	Belina Complex	P
Paul Baker	Knight	P
	Castle Gate	P
Henry Sauer	Sunnyside	C
Susan White	Bear Canyon	P*
	Trail Canyon	P
	Huntington #4	C
Bill Malencik	J.B. King	P*
	Hidden Valley	P*

Week of June 21-25, 1993

Randy Harden	Boyer	C*
	Summit Minerals	C*
	Blazon	C*
Steve Demczak	Banning Loadout	C*
	Hiawatha	P
Wayne Western	Convulsion Canyon	P
Hugh Klein	Sunnyside Cogeneration	C

* AVS Inspection

Sincerely,


Lowell P. Braxton
Acting Director

jbe/mbm

cc: Russ Porter, OSM, Albuquerque
P. Grubaugh-Littig, DOGM
D. Haddock, DOGM
J. Helfrich, DOGM
'A' Team
'B' Team

A:\APR-JUN.93



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

March 15, 1993

TO: Lowell P. Braxton, Acting Director

FROM: Pamela Grubaugh-Littig, Permit Supervisor *PGL*

RE: Tentative "A" Team Permitting Schedule

Permitting actions for the "A" Team are two permanent program permits, three five-year permit renewal (ongoing review of resubmitted plan), three mid-terms, five coal lease tracts, and three reclamation reviews. The major permitting actions are:

PERMANENT PROGRAM PERMIT ISSUANCE

Garfield Coal Company

*	Met with Representatives for Mapping	04/29/92
*	Met with Hydrologist on Project	05/12/92
*	Met with Soils Representative	09/92
*	Met with Hydrologist Re: PHC	11/19/92
*	Met with Patrick Collins	12/10/92
*	Update Letter to Director	12/23/92
*	Submit to Division	03/93

Sunnyside Cogeneration Associates

(Environmental Power Corporation)

*	Permit Transfer with PAP submittal	08/20/92
*	Letter Sent to EPC Stating Need Separate Permit	09/10/92
*	Clarification of Mining and AML Fees (Letter Sent)	09/21/92
*	Completeness Issues Letter Sent	10/21/92
*	Meeting with SCA Consultants	10/22/92
*	Completeness Issues Response	10/27/92
*	Determination of Completeness	10/28/92
*	TD Issued	11/25/92
*	Applicant Response	12/03/92
*	Meeting with Applicant, Attorneys & Consultants	12/18/92
*	Deficiency Response	01/08/93
*	Permit Issued with 20 Conditions	02/04/93
*	First Conditions Submitted (#6, #17 & #18)	03/05/93

FIVE-YEAR RENEWALS

Co-Op Mining Company: Bear Canyon Mine

* Operator Submits Five-Year Renewal Application	07/13/90
* Division Issues Determination of Completeness	09/01/90
* Technical Deficiency Sent to Operator	09/19/90
* Formal Protest to Five-Year Renewal;	
Request for Informal Hearing	10/10/90
* Operator Response	10/19/90;
	10/22/90;
	10/31/90
* CO #C90-26-1-1 Issued Due to Publication Problems	11/02/90
* NOV #N90-34-1-1 Issued Due to Need	
for Updating Maps in Plan	11/26/90
* Division Order Issued Requesting 18 Permit Changes	11/27/90
* Operator Submits Partial Response to Division Order	01/21/91
* Operator Submits New Maps	02/25/91
* Inadequacy of Maps Informally Given to Operator	03/21/91
* Operator Submits Revised Maps	04/08/91;
	04/22/91
* Operator Submits Partial Response to	
Division Order (NOV #N91-20-1-1)	04/24/91
* Hindrance Violation Issued Due to	
Failure to Submit All Information to Division Order	04/26/91
* Updated Maps and Plans Submitted	05/03/91;
	05/17/91
* Permit Renewed	05/20/91
* More Information Re: The Division	
Order is Submitted by Operator	05/24/91
* Technical Review of Division Order Completed	
(NOV Terminated)	09/03/91
* More Division Order Information Submitted	12/30/91
* Complete Reclamation of Highwall Approved	05/03/92
* Hydrogeologic Information Submitted	07/31/92
* Division Letter Sent Stating Revised PHC Required	08/04/92
* Revised PHC Submitted	08/17/92
* Revised PHC Resubmitted	09/17/92
* Meeting with Operator re: Deficiencies	11/13/92
* Response Received	12/11/92
* PHC Technical Review Sent	03/04/93
* PHC Response Due	03/26/93
* CHIA Revised	06/93

Sunnyside Coal Company: Sunnyside Mine

- * Operator Submits Five-Year Renewal
Application in New Format 10/09/90
- * Division Issues Completeness 11/20/90
- * Permit Successively Renewed 01/20/91
- * Overall Field Review 07/10/91
- * Division Continues Review of New
Format Application 12/91
- * Completeness Document Sent 02/07/92
- * Operator Response Due 03/31/92
- * Extension Granted for Submittal 07/06/92;
09/01/92;
10/01/92;
12/01/92
- * Final Extension Granted to 02/15/93 (Holiday)
- * Operator Submitted 02/16/93

PacifiCorp: Deer Creek Mine

- * Operator Submits Five-Year Renewal
Application in New Format 10/09/90
- * Division Issues Completeness on Old Application 12/07/90
- * Permit Successively Renewed on Old Application 02/07/91
- * Operator Submitted Updated Legal & Financial Information 01/15/92
- * Operator Submits "Rosetta Stone" to Decipher
Approved Plan to Reformatted Plan 03/16/92
- * Review Sent 04/15/92
- * Meeting on Plan 06/17/92
- * Second Meeting on Plan 08/13/92
- * Team Review of Updates Approved 09/11/92
- * Midterm Review of Plan Due 05/01/93

MID-TERM REVIEWS

- * Wildcat Loadout - Begin July 1991
Letter Sent 09/16/91 to Commence Mid-Term
Completed December 4, 1991
- * C.V. Spur - Begin September 1991
Letter Sent 09/17/91 to Commence Mid-Term
Letter Sent 02/04/92
Response Received 04/15/92
Review Sent 06/08/92
Response Due 06/25/92
Completed 06/30/92
- * Cottonwood/Wilberg - Begin September 1991
Letter Sent 09/17/91 to Commence Mid-Term
Letter Sent 02/04/92
Response Due 03/06/92 (Extended to 03/20/92)
Received 03/25/92
Review Sent 08/01/92
Response 10/15/92 and 12/11/92
Approved 01/07/93
- * Gordon Creek #2, #7 & #8 - Done 02/26/92
- * Trail Mountain - Letter Sent August 21, 1992
Due October 1, 1992
Extended to 10/30/92
Response Received 10/30/92
Review Sent 12/07/92
Response Received 01/07/93
Completed 02/09/93
- * Deer Creek - Begin May 1993
Due July 1993
- * Des-Bee-Dove - Sent March 1, 1993
Due April, 1993
- * Bear Canyon - Begin April 1993

LEASE TRACTS

Bear Canyon Lease Tract

*	Division Received	12/21/89
*	Initial Completeness Review Issued to Operator	03/01/90
*	Other Agency Comments Sent to Operator	06/11/90
*	Operator Response	07/13/90
*	Determined Complete	09/25/90
*	Technical Deficiency Sent to Operator	12/04/90
*	Partial Operator Response	01/02/91
*	Informal Hearing	02/05/91
*	Response to Informal Hearing	05/20/91
*	Resubmitted Copies for Other Agencies	01/04/93
*	Sent to Other Agencies	01/12/93
*	Review From Other Agencies Due	02/19/93
*	Send Division Technical Deficiencies	04/30/93
*	**Technical Analysis	
*	Document Sent to Washington	
*	State Permit Issued	

- ** Co-Op Mining Company drilled underground monitoring three (3) holes. Consultant report forthcoming. The Federal Lease Tract Addition is delayed indefinitely. Sent letter 08/04/92 stating that Federal Lease Tract cannot be considered until revised PHC submitted and reviewed. Revised PHC Submitted 09/17/92. Letter sent 10/5/92 regarding updated copies needed for agencies. Updated copies received 1/5/93, transmitted to agencies 1/12/93.

Rilda Canyon (Deer Creek Mine)

*	Division Received	02/12/90
*	Initial Completeness Review (with other agency comments)	05/23/90
*	Partial Operator Response (hydro missing)	10/15/90
*	PHC Information Sent	05/01/91
*	Second Operator Response Sent to Division	12/26/91
*	PHC Review Sent to Operator	02/10/92
*	PHC Partial Operator Response	02/26/92
*	Update Request of Plan Sent	03/06/92
*	Operator Response (PHC)	03/25/92
*	Division PHC Review Sent	05/15/92
*	Operator Response (PHC)	07/15/92
*	Division Concern Letter Sent	07/22/92
*	IBC Submitted	09/18/92

LEASE TRACTS (Continued)

Rilda Canyon-Deer Creek Mine (Continued)

*	IBC Info Sent to OSM, Denver	11/04/92
*	IBC Approved	01/06/93
*	Operator Submits More Information	03/93
*	Completeness Review	05/93
*	Determine Complete	06/93
*	Technical Analysis	08/93
*	Send to Washington	09/93
*	State Permit Issued	10/93

Castle Valley Ridge Lease Tract/Star Point
(In Conjunction with Five-Year Renewal)

*	Division Receives	09/17/91
*	Division Reviews for Completeness	
	Issues ICR/TD	05/20/92
*	PHC Update Submitted	05/15/92
*	Division Review of PHC Sent	08/04/92
*	Determined Not Complete Letter Sent	08/14/92
*	PHC Review Response Received	09/28/92
*	PHC Review Sent	12/03/92
*	Response Received	01/15/93
*	Division Review Sent	02/16/93
*	Response Due	03/16/93
*	Determined Complete	03/01/93
*	Technical Analysis	07/93
*	Send to Washington	09/93
*	State Permit Issued	11/93

Sunnyside Coal Company - "B" and "C" Canyon

*	Sunnyside Mine Reps Met with Division	03/25/92
	Re: Permitting (Met w/Bob Burnham 5/7/92)	
*	Division Receives	06/93

Horse Canyon: South Lease

*	Meeting to Discuss Permitting	02/04/93
*	Baseline Water Monitoring & Exploration Meeting	03/15/93
*	Submit Application	04/93

RECLAMATION REVIEW - Work To Be Done

- * Gordon Creek #2, #7, & #8 - Closed November 1, 1990.
Partially Reclaimed 1991.
Highwall Review Meeting Held 02/25/92.
Resubmitted Highwall & Reclamation
Information 05/07/92.
NOV #N92-20-1-1 Issued 06/15/92 Due to Lack
of Information in Plan.
Meeting with Dan Guy, Scot Anderson (Arco
Legal Counsel) on 06/25/92.
Abatement Date 06/29/92.
Informal Hearing Held 07/14/92. Division Order
92-A (Review Comments) Sent 07/27/92.
Agreement Letter of Schedule Sent to Scott
Anderson 08/17/92. Approval of Highwalls
09/10/92. Some Reclamation Work Done in
1992, Balance in 1993.
Reclamation Resubmittal Received 02/01/93.
ICR & TD Review Due 03/19/93.

- * J.B. King
 - Three NOVs Written and Upheld by Director,
Numerous Exchanges.
Reclamation Plan Justifying Doing Nothing
Submitted 09/15/92.
Meeting with Dianne 10/23/92.
Memos to Dianne & Lowell 11/12/92,
Re: Abatement Plan Deficiencies.
Letter Sent 12/07/92; Violation Modified.
Response Received 01/21/93.
Review by 03/31/93.
NOVs Extended to 05/28/93.

- * Hidden Valley
 - Division Upheld NOV N91-26-8-2.
Board Upheld 07/30/92.
Third District Upheld 11/05/92.
Appealed to Supreme Court 01/93.
Need to Implement Abatement Plan By 02/20/93
(Vegetation) and 04/01/93 (Erosion Control).
NOV Modified to 04/15/93.

jbe
cc: Joe Helfrich
Daron Haddock
A:\PERMSCHE.MEM



Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

March 15, 1993

TO: Reclamation Bond Estimators: Wayne Hedberg, Tony Gallegos, Holland Shepherd, Randy Harden, Jesse Kelley, and Wayne Western

FROM: Pamela Grubaugh-Littig, Permit Supervisor *pgl*

RE: Means Historical Cost Index - 1993 - 1.42%

Following are the index numbers and escalation factor from the Means Historical Cost Index.

YEAR	INDEX	ESCALATION (Actual)
1977	104.2	8.70%
1978	113.3	7.10%
1979	121.4	8.6%
1980	131.9	8.6%
1981	143.3	9.91%
1982	157.5	9.40%
1983	172.3	1.04%
1984	174.1	0.92%
1985	175.7	2.90%
1986	180.8	2.10%
1987	184.6	1.95%
1988	188.2	1.81%
1989	191.6	1.77%
1990	195.0	0.77%
1991	196.5	1.27%
1992	199.0	2.21%
1993	203.4	

The future escalation factor for 1993 bond estimating is 1.42 percent, average of the previous three years.

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Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
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801-359-3940 (Fax)
801-538-5319 (TDD)

Gen. Coal Corr

April 1, 1993

TO: Lowell P. Braxton, Acting Director
Daron Haddock, Permit Supervisor

FROM: Pamela Grubaugh-Littig, Permit Supervisor *pgl*

RE: Status of Liability Insurance for Coal Operators

The updated liability insurance status report is enclosed.



LIABILITY INSURANCE FOR COAL MINES

As of March 31, 1993

Name of Project	Policy Number	Primary Insurance Company (Best's Rating) 1992	Effective Dates	"Accord" Form	XCU (Explosives)	Claims Made or Per Occurrence Retroactive Date	Cancellation Language	Certificate Holder (State of Utah- DOGM)
Valley Camp Coal Co. Belina Mines ACT/007/001	GLR989061	Home Indemnity Company (A-)	04/01/92- 04/01/93	Yes	Yes	Occurrence	Yes	Yes
Amox Coal Company Castle Gate Mine ACT/007/004	GL3259027	National Union Fire Ins. Co. of Pittsburgh, PA (A + +)	04/01/92- 04/01/93	Yes	Yes	Claims Made 04/01/86	Yes	Yes
Coastal Corp. ETAL Skyline Mine/Eccles Cyn ACT/007/005	MC001172	Fidelity & Casualty Co. of N.Y. (A-)	12/31/92- 12/31/93	Yes	Yes	Occurrence	Yes	Yes
Cyprus Minerals Co. and its subsidiary Co. Star Point ACT/007/006	RMGL3264828	National Union Fire Insurance Company (A + +)	07/01/92- 07/01/93	Yes	Yes	Claims Made 07/01/89	Yes	Yes
Sunnyside Coal Company Sunnyside Mines ACT/007/007	ML14823	Old Republic Insurance Company (A)	12/22/92- 12/22/93	Yes	Yes	Occurrence	Yes	Yes
U. S. Fuel Co. King Mines #4, 5 & 6 ACT/007/011	GL NGA1498686-01	Planet Insurance Co. (A-)	12/28/91- 04/01/93	Yes	Yes	Occurrence	Yes	Yes
Nevada Electric Investmt Genwal Coal Co. Castle Valley Resources Wellington Prep. ACT/007/012	3710-3989	Federal Insurance Company (A + +)	01/01/93- 01/01/94	Yes	Yes	Occurrence	Yes	Yes

LIABILITY INSURANCE FOR COAL MINES

As of March 31, 1993

Name of Project	Policy Number	Primary Insurance Company (Best's Rating) 1992	Effective Dates	"Accord" Form	XCU (Explosives)	Claims Made or Per Occurrence Retroactive Date	Cancellation Language	Certificate Holder (State of Utah- DOGM)
Intermountain Power Agency Horse Canyon ACT/007/013	XO 416A1A91	Associated Electric and Gas Insurance Services Limited	7/31/92- 7/31/93	No	Yes	Claims Made 06/08/86	Yes	Yes
Mountain Coal Co. Gordon Creek #2, #7 & #8 ACT/007/016	ISL GI 519134-A	Insurance Company of North America (A-)	01/01/93- 01/01/96	Yes	Yes	Occurrence	Yes	Yes
Mountain Coal Co. Gordon Creek #3 & #6 ACT/007/017	ISL GI 519134-A	Insurance Company of North America (A-)	01/01/93- 07/01/96	Yes	Yes	Occurrence	Yes	Yes
Sun Co. & Affiliates Incl: Spidier Creek Coal Soldier Canyon ACT/007/018	TLJSLG-186T908- A-91	Travelers Indemnity Co. (A-)	01/01/91- Until Cancelled	Yes	Yes	Not Stated	Yes	Yes
Andalex Resources Centennial Mine ACT/007/019	3710-25-94	Federal Insurance Co. (A + +)	07/01/92- 07/01/93	Yes	Yes	Occurrence	Yes	Yes
No. American Equities Blazon #1 ACT/007/021	MXC-802-39-441	Fireman's Fund Ins. Co. (A) Expired NOT RENEWED	11/22/90- 11/22/91	Yes	No	Occurrence	Yes (30 Days)	Yes
Mountain Coal Co. C. V. Spur ACT/007/022	ISL GI 519134-A	Insurance Company of North America (A-)	01/01/93- 01/01/96	Yes	Yes	Occurrence	Yes	Yes
Andalex Resources, Inc Wildcat Loadout ACT/007/033	3710-25-94	Federal Insurance Co. (A + +)	07/01/92- 07/02/93	Yes	Yes	Occurrence	Yes	Yes

LIABILITY INSURANCE FOR COAL MINES

As of March 31, 1993

Name of Project	Policy Number	Primary Insurance Company (Best's Rating) 1992	Effective Dates	"Accord" Form	XCU (Explosives)	Claims Made or Per Occurrence Retroactive Date	Cancellation Language	Certificate Holder (State of Utah- DOGM)
Sun Co. and Affiliates Soldier Creek Coal Co. Banning Loadout ACT/007/034	TLJSLG-186T908-A-91	Travelers Indemnity Co. (A-)	01/01/91- Until Cancelled	Yes	Yes	Not Stated	Yes	Yes
(Savage Coal Service Contractor)	GL5407160RA	National Union Fire Insurance Co. (A++)	01/01/89- Until Cancelled					
Sunnyside Cogeneration Associates Environmental Power Corp. Sunnyside Refuse & Slurry ACT/007/035	3710-13-49	Federal Insurance Co. (A++)	04/01/91- 04/01/93	Yes		Occurrence		
Western States Minerals J. B. King ACT/015/002	SI 1652592	Reliance Insurance Company (A-)	04/01/93- 04/01/94	Yes	No	Occurrence	No	Yes
Mountain Coal Co. Huntington #4 ACT/015/004	ISL GI 519134-A	Insurance Company of North America (A-)	01/01/93- 01/01/96	Yes	Yes	Occurrence	Yes	Yes
CalMat Co. Hidden Valley Coal Co. Hidden Valley Mine ACT/015/007	GL40-741 8155	Continental Casualty Co. (A+)	07/01/92- 07/01/93	Yes	N/A	Occurrence	Yes	Yes
PacificCorp Trail Mountain Mine ACT/015/009	X0296A1A91	Associated Electric and Gas Insurance Services Limited	02/24/93- 02/24/94	Yes	Yes	Occurrence	Yes	Yes

LIABILITY INSURANCE FOR COAL MINES

As of March 31, 1993

Name of Project	Policy Number	Primary Insurance Company (Best's Rating) 1992	Effective Dates	"Accord" Form	XCU (Explosives)	Claims Made or Per Occurrence Retroactive Date	Cancellation Language	Certificate Holder (State of Utah- DOGM)
Consolidation Coal Co. Emery Mine ACT/015/015	3YL 945 4444	Lumbermens Mutual Casualty (A)	01/01/93- 01/01/94	Yes	Yes	Occurrence	Yes	Yes
PacificCorp Des-Bee-Dove Mine ACT/015/017	X0296A1A91	Associated Electric and Gas Insurance Services Limited	02/24/93- 02/24/94	Yes	Yes	Claims Made 12/24/86	Yes	Yes
PacificCorp Deer Creek Mine ACT/015/018	X0296A1A91	Associated Electric and Gas Insurance Services Limited	02/24/93- 02/24/94	Yes	Yes	Claims Made 12/24/86	Yes	Yes
PacificCorp Cottonwood/Wilberg Mine ACT/015/019	X0296A1A91	Associated Electric and Gas Insurance Services Limited	02/24/93- 02/24/94	Yes	Yes	Claims Made 12/24/86	Yes	Yes
Co-Op Mining Co. Trail Canyon Mine ACT/015/021	GLM-10088	Homestead Insurance Co. (A)	01/01/93- 01/01/94	Yes	Yes	Occurrence	Yes	Yes
Co-Op Mining Co. Bear Canyon Mine ACT/015/025	LM-10088	Homestead Insurance Co. (A)	01/01/93- 01/01/94	Yes	Yes	Occurrence	Yes	Yes
Nevada Electric Investmt and its subsidiaries Crandall Canyon Mine ACT/015/032	3710-3989	Federal Insurance Company (Chubb Group) (A + +)	01/01/93- 01/01/94	Yes	Yes	Occurrence	Yes	Yes
New Tech Mining Co. Black Jack #1 ABD/019/004	NO INSURANCE	(Permit Revoked)		No				

LIABILITY INSURANCE FOR COAL MINES

As of March 31, 1993

Name of Project	Policy Number	Primary Insurance Company (Best's Rating) 1992	Effective Dates	"Accord" Form	XCU (Explosives)	Claims Made or Per Occurrence Retroactive Date	Cancellation Language	Certificate Holder (State of Utah- DOGM)
Andalex Resources Inc. Smokey Hollow PRO/025/002	3710-25-94	Federal Insurance Co. (A + +)	07/01/92- 07/01/93	Yes	Yes	Occurrence	Yes	Yes
Utah International Inc. Alton Mine PRO/025/003	CCP-0016-0207	Transportation Insurance Company (A +)	04/02/87- Until Cancelled	No				
Coastal Corp, Etal c/o Energy Insurance Int'l Convulsion Canyon ACT/041/002	ZY51785	Old Republic Ins. Co. (A)	12/31/92- 12/31/93	Yes	Yes	Occurrence	No	Yes
BHP Petroleum (Amer) Inc c/o BHP-Utah International Knight Mine ACT/041/005	HC095991	Lloyds of London	11/13/92- 11/13/93	Yes	N/A	Occurrence	Yes	Yes
Summit Minerals, Inc. Summit #1 Mine REV/043/001	NO INSURANCE	(Permit Denied)		No				
Summit Coal Co. Boyer Mine ACT/043/008	GLP (89) 73164357	Federal Insurance Company (A + +) (Permit Revoked)	Bankrupt	No				
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Michael O. Leavitt
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James W. Carter
Division Director

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Salt Lake City, Utah 84180-1203
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801-538-5319 (TDD)

Gen. Coal Corr.

April 1, 1993

TO: Lowell P. Braxton, Acting Director
Daron Haddock, Permit Supervisor

FROM: Pamela Grubaugh-Littig, Permit Supervisor *pgl*

RE: Coal Bond Status Report as of March 31, 1993

Attached is a copy of the current coal bond status report. Presently, the coal program has a total of \$49,102,742 in various forms of reclamation bonds.

Corporate Sureties (28)	\$38,905,704	> 79%
Irrevocable Letters of Credit (5)	\$ 3,978,002	> 8%
Subordination Agreements (Real Estate) (3)	\$ 3,805,036	< 8%
Self Bond (1)	\$ 2,329,000	< 5%
Certificate of Deposit (1)	\$ 75,000	< 1%
Cash (1)	\$ 10,000	< 1%
	\$49,102,742	

jbe
Attachment
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COAL BONDS

As of March 31, 1993

Page 1

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Valley Camp of Utah, Inc. Belina Mines Complex ACT/007/001	Yes (11/30/89)	79	\$2,300,000	Surety (Ridered)	Aetna Casualty & Surety Co. 25S100723365 (A)	12/7/91	\$29,114	8/24/84 (11/17/89)	Previous bond under Federal Insurance Company. Changed surety companies 12/7/91
Blackhawk Coal Company Willow Creek INA/007/002		(4.2)	(\$10,000) (Released)	Surety (Released)	Safeco Insurance Co. #5615354 (A++)	7/12/84 (7/30/90)	\$2381	12/24/84	Original Posted; (Released) \$91,550 8/13/85 \$2,585,609 released 7/30/90; Final bond released 8/24/92
Amex Coal Industries Castle Gate Mine ACT/007/004	Yes (2/5/86)	134.5	\$2,683,603	Surety	National Fire Insurance Company Hartford #929-80-55 (A+)	1/31/86	\$19,952 Permit Transfer	12/24/84 (12/24/90)	
Coastal States Energy Skyline Mine ACT/007/005	Yes (12/1/89)	65.38	\$3,180,000	Surety	United Pacific Ins. Co. #U605244-6 (A-)		\$48,639	6/20/80 (4/30/87) (5/1/92)	Original Bond Amount - \$1,850,500 (6/20/89); Bonds replaced 7/30/90; Rider added 3/15/90; Reclamation added 6/9/92; Reclamation Agreement being updated
Cyprus Plateau Mining Corp. Star Point Mine ACT/007/006	Yes (1/4/91)	173.2	\$4,830,000	Surety	Aetna Casualty & Surety Co. 64S100208576BCA (A)	11/26/85	\$27,887	(8/7/87) (1/28/92)	Reclamation Agreement Signed 11/2/90; Ridered "termination" language 9/91
Cyprus Plateau Mining Corp. Exploration		3	\$50,000	Surety	Aetna Casualty 64S100767004BCA (A)	9/21/92			Exploration Project
Sunnyside Coal Company Sunnyside Mine ACT/007/007	Contract (12/11/89)	287.4	\$3,583,836 (Deed of Trust 8/89)	Combination	C.D. issued for \$75,000 at Zions First National Bank. First Deed of Trust for Undisturbed Land and Water Rights; Agreement 8/28/89	8/31/89	\$12,470	1/6/86 (1/6/91)	Escrow Agreement Finalized 6/90 3/13/89 Active Status; Transferred from Kaiser Coal Co. 5/26/89

COAL BONDS

As of March 31, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Kaiser Coal Corp. Sunnyside Mine ACT/007/007	Special		(\$3,397,349)		Filed Chapter 11 2/13/87; Agreement with SRS 3/9/89; Transferred to SRS Replaced by SRS Bond	1/6/86			
Sunedco Sage Point-Dugout Canyon REV/007/009		No Disturbance	(\$611,875) (Released)	Surety (Released)	Federal Insurance Co. #8090-86-10 (A++)	12/8/80	Bond released 5/19/87 No disturbance	(Permit Revoked) 5/19/87	
U. S. Fuel Co. Hiawatha Mines Complex ACT/007/011	Special	290	\$1,450,000 \$2,329,000	Surety Self Bond	Insurance Company of North America K01733369 (A-) DOGM and OSM	4/15/83 12/16/86	\$13,031	3/13/87 (3/13/92)	
Kaiser Coal Corp. Wellington Prep. Plant ACT/007/012	Yes	356	(\$4,360,775)	Self-Bond	Division of Oil, Gas and Mining; Filed Chapter 11 2/13/87; Replaced by Genwal ILOC	1/31/86 Permit Transferred 10/10/89	\$12,249	12/10/84	Bankrupt
Castle Valley Resources Wellington Prep. Plant ACT/007/012	Yes (8/16/91)	356	\$2,591,000	Surety	Safeco Insurance Co. #5612986 (A++)	10/26/89	\$7,278	(12/10/89)	Permit Transfer to Genwal 10/10/89; Permit Transfer to Castle Valley Resources 12/5/91
Kaiser Coal Corp. Geneva (Horse Canyon Mine) ACT/007/013		50	(\$918,649)	Self Bond	Division of Oil, Gas, and Mining, and OSM	Filed Chapter 11 2/13/87	\$18,373		Transferred from U.S. Steel 11/4/85
Kaiser Coal Corp. Horse Canyon Mine ACT/007/013		50	(\$1,359,600)	Irrevocable Letter of Credit	Chase Manhattan Bank No. PG632732	4/12/90	27,192		Released by OSM 1/26/91; DOGM 1/27/91

COAL BONDS

As of March 31, 1993

Page 3

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Intermountain Power Agency Horse Canyon Mine ACT/007/013	Yes (7/3/90)	50	\$1,950,002	Irrevocable Letter of Credit	Zions First National Bank	7/2/90	39,000	5/6/91	IPA Acquired Horse Canyon Mine 4/5/90; Permit issued 5/6/91; Bond increased 5/3/91
Mountain Coal Co. Gordon Creek #2, 7 & 8 ACT/007/016	Yes (8/28/89)	17.58	\$641,443 \$45,900	Surety Surety	United Pacific Insurance Co U-62-99-65 (A-) #8082-93-00 (A-)	8/14/87 11/22/77	\$39,098	8/27/84 (8/28/89)	Ridered "termination" language 9/91
Mountain Coal Co. Gordon Creek #3 & #6 ACT/007/017	No	17.3	\$138,400	Surety	United Pacific Insurance Co. U-629895 (A-) Phase I-Bond Release Effective 6/26/87 Ridered 7/13/87	9/19/86 7/13/87	\$8,000	9/19/86 (11/13/91)	Original Bond Amount \$346,000
Soldier Creek Coal Co. Soldier Canyon Mine ACT/007/018	Yes (5/2/91)	22.80	\$3,238,000	Surety	Federal Insurance Co. #8107-37-63 (A++) Rider	9/87 (5/91)	142,018	6/10/85 (2/3/92)	Increased from \$577,000 5/2/91; Increased in conjunction with renewal
Andalex Resources Centennial Project ACT/007/019	Yes (7/6/90)	34.2	\$381,839 \$699,000	Surety Surety	Utica Mutual Insurance #34593 (A) & SU1354086	5/16/83 (7/3/90)	\$31,603	1/4/82 (3/3/87) (1/3/92)	Increased to \$1,080,839 on 7/3/90
North American Equities Blazon #1 Mine REC/007/021	No	1.5	\$38,000 (Forfeited)	Irrevocable Letter of Credit \$43865	United Bank of Denver	5/5/89	\$25,333	11/12/85	LOC with First Interstate Bank replaced 2/91; Amount reduced from \$48,400 4/30/91; Bond forfeited 5/24/91-Cashier's Check to Division
Mountain Coal Co. C.V. Spur Mine ACT/007/022	Yes (8/7/89)	160	\$2,441,745	Surety	United Pacific Insurance Company (A-) U-629894	4/22/87	\$15,261	8/6/85 (8/6/89)	Ridered "termination" language 9/91

COAL BONDS

As of March 31, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Andalex Resources, Inc. Wildcat Loadout Facility ACT/007/033	Yes (5/5/89)	60	\$813,795	Surety	Continental Casualty Co. 400776222	12/1/92	\$13,563	5/5/89	Changed from Pittsburgh National Bank in 4/92; Replaced ILOC 12/9/92
Soldier Creek Coal Co. Banning Siding Loadout ACT/007/034	Yes (10/20/88)	21.4	\$211,000	Surety	Federal Ins. Co. #8107-37-63 (A++)	10/12/88	\$9,860	10/24/88	
Sunnyside Cogeneration Associates Sunnyside Refuse & Slurry ACT/007/035	Yes (1/25/93)	202	\$1,500,000	Irrevocable Letter of Credit	First Security Bank S-09742-00018.	1/22/93	\$7,426	2/4/93	Permit issued 2/4/93; Double bonded with Sunnyside Permit Area until removed
Cyprus Plateau Mining Corp. Blackhawk Exploration Site CEP/007/038	No	3.1	\$50,000	Surety	Aetna Casualty & Surety Company 64S100767004BCA (A)	9/21/92	\$16,129		Exploration Project
Western States Minerals J. B. King Mine ACT/015/002	No	28	\$128,078	Surety	Seaboard Surety Co. #104570 (A+) Phase I Bond Release (effective 5/20/86) Ridered 4/28/86	(4/28/86)	\$4,503	8/13/85 (8/13/90)	Original Bond Amount - \$262,577
Mountain Coal Co. Huntington #4 Mine ACT/015/004	No	12.5	\$144,042	Surety (Ridered)	Federal Ins. Co. #8082-89-88 (A++) Phase I-60% bond release effective 11/10/86 rider - 12/31/86	4/15/85 (12/12/86)	\$11,523	4/29/85 (4/29/90)	Original Bond Amount - \$360,102; Ridered "termination" language 9/91
Hidden Valley Coal Co. Hidden Valley Mine REC/015/007	No	6.7	\$88,606	Surety	St. Paul Fire & Marine Ins. Co. #400 HJ 8041 (A+) Phase I bond release effective 7/17/88	12/30/88 (7/17/88)	\$10,240	1/28/87 (1/29/92)	Original Bond Amount - \$171,515

COAL BONDS

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
PacifiCorp Trail Mountain Mine ACT/015/009	Yes (10/12/92)	9.45	\$700,000	Surety	American Casualty Co. of Reading, PA #700819575 (A+)	9/29/92	74,074	2/21/85 (2/21/90)	Federal Mine Approval Tract 1 & 2 Transfer effective 11/23/87; Federal Lease Tract approved 5/15/91; Ridered "termination" language 9/91; Ridered increased amount and disturbance on 4/28/92 (from \$463,711 and 8.8 acres). Transferred from Mountain Coal Company to PacifiCorp 11/13/92
Consolidation Coal Co. Emery Deep Mine ACT/015/015	Yes (8/10/92)	247	\$3,454,443 (for mine & prep plant areas)	Surety	Seaboard Surety #188617 (A+)	12/11/85 (5/3/91)	\$13,986	6/8/82 & 1/7/86 (1/8/91)	
PacifiCorp Des-Bee-Dove Mine ACT/015/017	Yes (12/13/90)	74.5	\$1,837,712	Surety	American Casualty Co. of Reading, PA. #926-00-83 (A+)	1/25/85	\$24,667	8/29/85 (5/31/91)	New Bond Submitted for PacifiCorp 12/90; Ridered "termination" language 9/91
PacifiCorp Deer Creek Mine ACT/015/018	Yes (12/13/90)	56	\$2,000,000	Surety	American Casualty Co. of Reading, PA. #927-21-58 (A+) Rider effective 9/17/92	3/15/85 (9/17/92)	\$35,714	2/7/86 (2/7/91)	Waste Rock Storage Added 9/88; Original Bond Amount - \$1,224,000; New Bond Submitted for PacifiCorp 12/90; Ridered "termination" language 9/91; Increased from \$1,724,000 to include amendment changes 9/92
PacifiCorp Cottonwood/Wilberg Mine ACT/015/019	Yes (12/13/90)	66.92	\$2,071,098	Surety	American Casualty Co. of Reading, PA. #924-98-19 (A+)	6/15/84 (1/13/89) (6/7/90)	\$30,949	7/6/84 (7/6/89)	Original Bond Amount-\$1,294,522 Ridered 6/7/90 for Waste Rock Site - \$1,586,008 (New Bond Submitted 11/20/90 for PacifiCorp with revised amount); Ridered "termination" language 9/91

COAL BONDS

As of March 31, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Co-Op Mining Co. Trail Canyon Mine ACT/015/021	No	10	\$200,000	Irrevocable Letter of Credit	West One Bank #S-557	6/15/89	\$20,000	5/30/89	Automatically Renewable
Co-Op Mining Co. Bear Canyon Mine ACT/015/025	Yes (8/11/89)	10	\$290,000	Irrevocable Letter of Credit	Capital City Bank #1055	Amended 10/20/92 (for C.W. Mining) Expires 10/24/94	\$29,000	11/1/85 (5/20/91)	Automatically Renewable
Genwal Coal Co. Crandall Canyon Mine ACT/015/032	Yes (6/13/89)	9.7	\$268,000	Surety	Safeco Ins. Co. #4689175 (A++)	7/30/90	\$27,629	(6/14/89)	Replaced ILOC 7/30/90 with Surety
Genwal Coal Co. Crandall Canyon Mine ACT/015/032	No	5.1	\$10,000	Cash	(Mohrland Loadout)	7/11/88	1,961		Still held but should probably be released
New Tech Mining Co. (Exploration) Black Jack #1 Mine ACT/019/004		7.2	(\$30,534.49)	Escrow Account	First Interstate Bank #72-3024-006 Revoked Permit 9/88	1/23/84 & 12/14/79	\$4,241		Bond forfeited; Division preparing reclamation contract to complete reclamation in 1992; Reclamation completed November 1992
Coastal States Energy Co. Southern Utah Fuel Co. Convulsion Canyon Mine ACT/041/002	Yes (8/26/88)	69.70	\$1,690,000	Surety	United Pacific Insurance Co. U605244-14 (A-)	4/12/91 7/23/92	\$24,247	5/19/87 (6/20/92)	Ridered 7/23/92; Reclamation Agreement updated 2/25/93
Coal Search Corp. Knight Mine ACT/041/005	Yes (85 version)	40	\$800,000	Surety	Seaboard Surety Co. #164898 (A+)	9/16/90	\$20,000	10/31/88	Federal Ins. Co. Surety replaced 9/16/90; Phase I Bond Release is pending
Summit Minerals Blackhawk Mine REV/043/001	No	19	\$120,300	Subord. Agreement	Division (Real Estate in Wallsburg, UT) (Permit Denied)	6/4/86	\$6,332	2/26/88 Permit Denial	In process of selling collateral bond

COAL BONDS

As of March 31, 1993

Page 7

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Summit Coal Co. Boyer Mine ACT/043/008	No	7	\$100,900	Subord. Agreement	Division (Real Estate in Park City, Utah) Permit Revoked 8/4/89	8/2/85	\$14,414	5/15/87	Collateral Bond has been sold and money in possession of State

*All of the bonding companies are listed in the Federal Register, July 1, 1992, the Department of Treasury listing of Surety Companies acceptable on Federal bonds.

A:\COAL.BND

Status of Utah Coal Program Rulemaking and Coal
Regulatory Program Amendments

April 6, 1993

Topic Citation Status Chronology Next Step/Comment

Cooperative Agreement Revisions to the funding formula for regulation on federal lands. No SPAT #	30 C.F.R. 944.30	Pending OSM response	This was submitted to OSM as an informal submission on 2/20/91 and revised on 6/25/91 after a 4/16/91 response from OSM. Utah's last action was on 7/12/91, a memo with clarifying amendments which was sent to A.F.O.
Highwall Retention SPATS No. (Ut-10-For)	R645-301-553 and R645-301-100-200	OSM opened 30 day public comment period with FR Notice on 6/2/92. Pending OSM response.	Informal submission made to OSM on 8/16/91 in response to "732" letter of 1/9/91 (extended to 3/13/91). OSM responded on 11/4/91 with an issue letter containing no deadlines. This was clarified on 1/17/92 with a follow-up OSM letter containing a May 1, 1992 deadline for a highwalls submittal. Utah's formal amendment made and submitted on 4/30/92. OSM responded 9/10/92 and DOGM resubmitted rules on 9/30/92. Utah will not perform final rulemaking until OSM issues formal approval.

OK. CC: LRB
JWC
JLB
PGL
DH
TAM

Next Step/Comment

Status

Citation

Topic

Roads-Ut-017-FOR Definitions of "Roads," "Public Roads" and Affected Area. (Ut-011-For)	R645-100-200	Pending OSM review and approval.	Conditions "n" and "o" of the 11/22/91 FR Notice are outstanding. OSM is awaiting the Ut response. This issue is settled by agreement of 9/04/92 between OSM and DOGM. New definitions, identical to 30 CFR, were submitted for OSM review on 9/17/92. OSM published receipt of amendment in 57 FR 54032, dated 11/16/92. OSM responded to Utah with issue letter on 1/21/93. Utah responded with resubmission on 2/16/93 and redrafted attachments on 3/24/93. Utah will not perform final rulemaking until OSM issues formal approval.
GRAMA and proposed rules submitted to OSM as FYI. No SPATS #.	63-2-101, UCA and R642-100 (proposed)	Pending DOGM response. Draft proposed rule is under review at DOGM - Deadline 4/12/93.	OSM was asked for its opinion on the significance of these documents to the Utah Program. DOGM maintains they will not significantly affect the coal program primacy or co-op agreement. Letter dated 6/16/92. OSM response dated 8/28/92 is under consideration by DOGM.

TopicCitationStatusNext Step/Comment

UAPA changes to Coal statute SPAT # Ut-018-INF (formerly #UT-005-INF). See new "UAPA changes" below.	40-10-1 et seq. R641-100-100	Pending OSM response to DOGM letter of 4/06/93.	DOGM submitted original 11/27/89. OSM responded 11/20/90. New statutory revisions were reviewed by Board and Environmental Subcommittee. Submitted to OSM on 9/28/92. Clarifying information sent with a new copy of UAPA to OSM on 10/20/92. OSM responded to Utah with 12/07/93 issue letter. Utah answered with response letter of 4/06/93 and R645-100-100 rule change and SB 22 as attachments. UAPA portion of amendments to be addressed next year.
Rule changes requested by Admin. Rules Review Committee (ARRC)	R645-100-500 R645-103-441 R645-203-200 R645-301-500 R645-301-760 R645-302-314.110 R645-302-323.310	Pending rulemaking by Division and OSM concurrence.	Director and AAG review completed 12/92. Board and UCOA review 1/93 - 3/93. UCOA letter received on March 29, 1993. Division issued approval to proceed with rulemaking at 3/24/93 Board briefing.
UAPA changes to the Coal Regulatory Statute.	40-10-1 et seq.	Pending drafting by LRGC and informal review by OSM.	UAPA changes were segregated from SB 22 and added to Interim study topics for 1994 legis session. Draft will be submitted to OSM upon drafting by LRGC. June is target for submittal to OSM.

TopicCitationStatusNext Step/Comment

Response to OSM Critique of Round II Rules Revisions. (Aug 23, 1991 F.R. Notice) SPATS #Ut-015-FOR.	R645(R614)-Numerous sections	Complete - approved by OSM 9/11/92 by 57 FR 41692, with one required amendment.	Proposed rules and revised vegetation guidelines submitted to OSM on 11/20/91. The proposed rule changes were entered into rulemaking at DAR on 12/31/91. Public comment was received on these changes at the 2/26/92 board hearing. These rule changes were presented to the E.S. at is last meeting on 11/21/91. OSM responded to the 11/20/91 submittal on 1/29/92. DOGM submitted letter with three attachments of additional information on 2/28/92. 57 FR 41692 of 9/11/92 requires Utah to delete the phrase "by the permittee" from R645-100-452. Deadline is 11/10/92. See Ut-019-FOR.
Ut-019-FOR (Required amendment from Ut-015-FOR)	R645-100-452	Complete - approved by OSM 3/30/93 (58 FR 16625).	Letter sent to AFO with proposed rule on 11/5/92. Memo sent to Envir. Sub. with proposed rule 11/5/92. Board briefed on 12/2/92 and they agreed to go with formal rule making and hearing on 1/27/93. Rule submitted to DAR 12/4/92. Effective date was 2/01/93.
Nonsubstantive changes to the Utah Administrative Rules (Prefix change)	All DOGM Administrative Rules.	Complete - Approved by OSM 5/11/92. (UT-762)	Letter sent to OSM/AFO on 1/9/92 telling of the change in rules prefixes and inquiring if a formal program amendment is necessary. Approved 57 FR 20051 with Ut-007-FOR.

TopicCitationStatusNext Step/Comment

Repeal of SMC/UMC	R645(R614)-1A → R645 (R614)-2Q	Complete - repeal was effective as of 12/31/91 DOGM action.	Notice of repeal and close out letter sent to OSM on 1/6/92. OSM letter of 8/06/92 acknowledges repeal of SMC/UMC rules and replacement by R645-100 through R645-402.
Coal Mining which is incidental to the mining of other minerals. SPATS #Ut-007-FOR	R645(R614)-106 R645(R614)-100-200 R645(R614)-300-200 R645(R614)-100-414	Complete - Approved by OSM 5/11/92.	The originally proposed rules (R614- 106 and R614-100-200) were republished as a "change in proposed rule" (CPR). Additional rule changes were suggested by OSM (R614- 300-200 and R614-100-414) and these are now complete. All four sets of rules were open for public comment at 1/22/92 board hearing. Entire package sent to OSM on 12/30/91 as Formal submission Ut-007-For. All of the four rule sets were presented to E.S. at its last meeting on 11/21/91. Approved by OSM in 57 FR 20051. Ut has changed applicability dates in the rule from 4/30/92 to 7/01/92 as a non-substantive change.
Submission of 40-10 changes (H.B. 291) to OSM (Kill Provision & AMR amendments) SPATS No. Ut-009-For.	40-10-1 <u>et seq.</u>	Complete - approved by OSM 8/19/92 by 57 FR 37461.	On 3/17/92, DOGM submitted additional information and description of one item pending 1993 legislative action. OSM published notice of receipt of additional information (57 FR, 14821, 4/23/92) and opened record to public comment for 15 days. Final OSM approval notice - 57 FR 37461, 8/19/92.

Bold = New information

Italics = Completed items

RD92-25

ATTACHMENT B

MR FORM 5
April 8, 1993

Bond Number _____
Permit Number _____
Mine Name _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center Suite 350
Salt Lake City, Utah 84180-1203
(801) 538-5340

THE MINED LAND RECLAMATION ACT

SURETY BOND

The undersigned _____, as
Principal, and _____, as
Surety, hereby jointly and severally bind ourselves, our heirs, administrators, executors,
successors, and assigns, jointly and severally, unto the State of Utah, Division of Oil,
Gas and Mining (Division) in the penal sum of _____
dollars (\$_____).

Principal has estimated in the Mining and Reclamation Plan approved by the
Division on the _____ day of _____, 19____, that _____
acres of land will be disturbed by mining operation in the State of Utah.

A description of the disturbed land is attached as "Attachment A" to the
Reclamation Contract, of which this document is an integral part.

The condition of this obligation is that if the Division determines that Principal
has satisfactorily reclaimed the disturbed lands in accordance with the approved Mining
and Reclamation Plan and has faithfully performed all requirements of the Mined Land
Reclamation Act, and complied with the Rules and Regulations adopted in accordance
therewith, then this obligation shall be void; otherwise it shall remain in full force and
effect.

If the Mining and Reclamation Plan provides for periodic partial reclamation of
the disturbed lands, and if the lands are reclaimed in accordance with such Plan, Act
and regulations, then Principal may apply for a reduction in the amount of this Surety
Bond.

In the converse, if the Mining and Reclamation Plan provides for a gradual
increase in the area disturbed or the extent of disturbance, then, the Division may
require that the amount of this Surety Bond be increased, with the written approval of
the Surety.

This bond may be canceled by Surety after ninety (90) days following receipt by the Division and Principal of written notice of such cancellation. Surety's liability shall then, at the expiration of said ninety (90) days, cease and terminate except that Surety will remain fully liable for all reclamation obligations of the Principal incurred prior to the date of termination.

Principal and Surety and their successors and assigns agree to guarantee said obligation and to indemnify, defend, and hold harmless the Division from any and all expenses (including attorney fees) which the Division may sustain in the collection of sums due hereunder.

Surety will give prompt notice to Principal and to the Division of the filing of any petition or the commencement of any proceeding relating to the bankruptcy, insolvency, reorganization, or adjustment of the debts of Surety, or alleging any violation or regulatory requirements which could result in suspension or revocation of the Surety's license to do business.

IN WITNESS WHEREOF, the Principal and Surety hereunto set their signatures and seals as of the dates set forth below.

Date _____

Principal (Permittee)

By (Name typed): _____

Title: _____

Signature: _____

Date _____

Surety

By (Name typed): _____

Title: _____

Signature: _____

Page 3
MR-5
Attachment B

Bond Number _____
Permit Number _____
Mine Name _____

SO AGREED this _____ day of _____, 19____.

AND APPROVED AS TO FORM AND AMOUNT OF SURETY:

Dave D. Lauriski, Chairman
Utah State Board of Oil, Gas and Mining

***NOTE:** Where one signs by virtue of Power of Attorney for a Surety, such Power of Attorney must be filed with this bond. If the Operator is a corporation, the bond shall be executed by its duly authorized officer.

AFFIDAVIT OF QUALIFICATION

_____, being first duly sworn, on oath deposes and says that he/she is the (officer or agent) _____ of said Surety, and that he/she is duly authorized to execute and deliver the foregoing obligations; that said Surety is authorized to execute the same and has complied in all respects with the laws of Utah in reference to becoming sole surety upon bonds, undertaking and obligations.

Signed: _____
Surety Officer

Title: _____

Subscribed and sworn to before me this _____ day of _____, 19____.

Notary Public
Residing at: _____

My Commission Expires:

_____, 19____

ATTACHMENT B

MR FORM 6
Joint Agency Bonding Form

(April 8, 1993)

Bond Number _____
Permit Number _____
Mine Name _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
(801) 538-5340

THE MINED LAND RECLAMATION ACT

SURETY BOND

The undersigned _____ as Principal,
and _____ as Surety, hereby jointly and severally
bind ourselves, our heirs, administrators, executors, successors and assigns unto the State of
Utah, Division of Oil, Gas and Mining, and _____
in the penal sum of _____ dollars (\$_____).

Principal has estimated in the Mining and Reclamation Plan approved by the
Division of Oil, Gas and Mining on the _____ day of _____, 19____, that _____
acres of land will be disturbed by this mining operation in the State of Utah.

A description of the disturbed land is attached as "Attachment A" to the
Reclamation Contract of which this document is an integral part.

The condition of this obligation is that if the Division determines that Principal has
satisfactorily reclaimed the disturbed lands in accordance with the approved Mining and
Reclamation Plan and has faithfully performed all requirements of the Mined Land Reclamation
Act, and complied with the Rules and Regulations adopted in accordance therewith, then this
obligation shall be void; otherwise it shall remain in full force and effect.

If the Mining and Reclamation Plan provides for periodic partial reclamation of the
disturbed lands, and if the lands are reclaimed in accordance with such Plan, Act and
regulations, then Principal may apply for a reduction in the amount of this Surety Bond.

In the converse, if the Mining and Reclamation Plan provides for a gradual increase in the area disturbed or the extent of disturbance, then, the Division may require that the amount of this Surety Bond be increased, with the written approval of the Surety.

This bond may be canceled by the Surety after ninety (90) days following receipt by the Division and Principal of written notice of such cancellation. Surety's liability shall then, at the expiration of said ninety (90) days, cease and terminate except that Surety will remain fully liable for all reclamation obligations of the Principal incurred prior to the date of termination.

Principal and Surety and their successors and assigns agree to guarantee said obligation and to indemnify, defend, and hold harmless the Division from any and all expenses (including attorney fees) which the Division may sustain in the collection of sums due hereunder.

Surety will give prompt notice to Principal and to the Division of the filing of any petition or the commencement of any proceeding relating to the bankruptcy, insolvency, reorganization, or adjustment of the debts of Surety, or alleging any violation or regulatory requirements which could result in suspension or revocation of the Surety's license to do business.

IN WITNESS WHEREOF, the Principal and Surety hereunto set their signatures and seals as of the dates set forth below.

Date: _____

Principal (Permittee) _____

By (Name typed): _____

Title: _____

Signature: _____

Date: _____

Surety _____

By: (Name Typed) _____

Title: _____

Signature: _____

Page 3
MR-6
Joint Agency Surety Bond
Attachment B

Bond Number _____
Permit Number _____
Mine Name _____

SO AGREED this _____ day of _____, 19____.

Dave D. Lauriski, Chairman
Board of Oil, Gas and Mining

*NOTE: Where one signs by virtue of Power of Attorney for a Surety Company, such Power of Attorney must be filed with this bond. If the Principal is a corporation, the bond shall be executed by its duly authorized officer.

Bond Number _____
Permit Number _____
Mine Name _____

AFFIDAVIT OF QUALIFICATION

_____, being first duly sworn, on oath deposes and says that he/she is the (officer or agent) _____ of said Surety, and that he/she is duly authorized to execute and deliver the foregoing obligations; that said Surety is authorized to execute the same and has complied in all respects with the laws of Utah in reference to becoming sole surety upon bonds, undertakings and obligations.

Signed: _____
Surety Officer

Title: _____

Subscribed and sworn to before me this _____ day of _____, 19____.

Notary Public
Residing at: _____

My Commission Expires:

_____, 19____.



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Gen. Coal Com

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

May 20, 1993

TO: Lowell P. Braxton, Acting Director

FROM: Pamela Grubaugh-Littig, Permit Supervisor *pgl*

RE: Tentative "A" Team Permitting Schedule

Major permitting actions for the "A" Team are two permanent program permits, two major five-year permit renewals (ongoing review of resubmitted plan), three mid-terms, five coal lease tracts, and three reclamation reviews. The major permitting actions are:

PERMANENT PROGRAM PERMIT ISSUANCE

Garfield Coal Company

*	Met with Representatives for Mapping	04/29/92
*	Met with Hydrologist on Project	05/12/92
*	Met with Soils Representative	09/92
*	Met with Hydrologist Re: PHC	11/19/92
*	Met with Patrick Collins	12/10/92
*	Update Letter to Director	12/23/92
*	Submit to Division	06/93

Sunnyside Cogeneration Associates (Environmental Power Corporation)

*	Permit Transfer with PAP submittal	08/20/92
*	Letter Sent to EPC Stating Need Separate Permit	09/10/92
*	Clarification of Mining and AML Fees (Letter Sent)	09/21/92
*	Completeness Issues Letter Sent	10/21/92
*	Meeting with SCA Consultants	10/22/92
*	Completeness Issues Response	10/27/92
*	Determination of Completeness	10/28/92



PERMANENT PROGRAM PERMIT ISSUANCE (Continued)

Sunnyside Cogeneration Associates (Continued)

* TD Issued	11/25/92
* Applicant Response	12/03/92
* Meeting with Applicant, Attorneys & Consultants	12/18/92
* Deficiency Response	01/08/93
* Permit Issued with 20 Conditions	02/04/93
* First Conditions Submitted (#6, #17 & #18)	03/05/93
* Condition #1 (NOV N93-40-4-1 Issued)	05/06/93

FIVE-YEAR RENEWALS

Co-Op Mining Company: Bear Canyon Mine

* Operator Submits Five-Year Renewal Application	07/13/90
* Division Issues Determination of Completeness	09/01/90
* Technical Deficiency Sent to Operator	09/19/90
* Formal Protest to Five-Year Renewal; Request for Informal Hearing	10/10/90
* Operator Response	10/19/90; 10/22/90; 10/31/90
* CO #C90-26-1-1 Issued Due to Publication Problems	11/02/90
* NOV #N90-34-1-1 Issued Due to Need for Updating Maps in Plan	11/26/90
* Division Order Issued Requesting 18 Permit Changes	11/27/90
* Operator Submits Partial Response to Division Order	01/21/91
* Operator Submits New Maps	02/25/91
* Inadequacy of Maps Informally Given to Operator	03/21/91
* Operator Submits Revised Maps	04/08/91; 04/22/91
* Operator Submits Partial Response to Division Order (NOV #N91-20-1-1)	04/24/91
* Hindrance Violation Issued Due to Failure to Submit All Information to Division Order	04/26/91
* Updated Maps and Plans Submitted	05/03/91; 05/17/91

FIVE-YEAR RENEWALS (Continued)

Co-Op Mining Company: Bear Canyon Mine (Continued)

* Permit Renewed	05/20/91
* More Information Re: The Division Order is Submitted by Operator	05/24/91
* Technical Review of Division Order Completed (NOV Terminated)	09/03/91
* More Division Order Information Submitted	12/30/91
* Complete Reclamation of Highwall Approved	05/03/92
* Hydrogeologic Information Submitted	07/31/92
* Division Letter Sent Stating Revised PHC Required	08/04/92
* Revised PHC Submitted	08/17/92
* Revised PHC Resubmitted	09/17/92
* Meeting with Operator re: Deficiencies	11/13/92
* Response Received	12/11/92
* PHC Technical Review Sent	03/04/93
* PHC Response Received	04/27/93
* CHIA Revised	08/93

Sunnyside Coal Company: Sunnyside Mine

* Operator Submits Five-Year Renewal Application in New Format	10/09/90
* Division Issues Completeness	11/20/90
* Permit Successively Renewed	01/20/91
* Overall Field Review	07/10/91
* Division Continues Review of New Format Application	12/91
* Completeness Document Sent	02/07/92
* Operator Response Due	03/31/92
* Extension Granted for Submittal	07/06/92; 09/01/92; 10/01/92; 12/01/92
* Final Extension Granted to	02/15/93 (Holiday)
* Operator Submitted	02/16/93
* NOV #N93-32-2-5 Modified	05/12/93
* Refly Base Maps	06/01/93

FIVE-YEAR RENEWALS (Continued)

PacifiCorp: Deer Creek Mine

- | | | |
|---|--|----------|
| * | Operator Submits Five-Year Renewal | |
| | Application in New Format | 10/09/90 |
| * | Division Issues Completeness on Old Application | 12/07/90 |
| * | Permit Successively Renewed on Old Application | 02/07/91 |
| * | Operator Submitted Updated Legal & Financial Information | 01/15/92 |
| * | Operator Submits "Rosetta Stone" to Decipher | |
| | Approved Plan to Reformatted Plan | 03/16/92 |
| * | Review Sent | 04/15/92 |
| * | Meeting on Plan | 06/17/92 |
| * | Second Meeting on Plan | 08/13/92 |
| * | Team Review of Updates Approved | 09/11/92 |
| * | Midterm Review | 05/28/93 |

Andalex Resources: Wildcat Loadout

- | | | |
|---|---------------|----------|
| * | Submittal Due | 01/05/94 |
|---|---------------|----------|

Co-Op Mining Company: Trail Canyon Mine

- | | | |
|---|---------------|----------|
| * | Submittal Due | 01/26/94 |
|---|---------------|----------|

PacifiCorp: Cottonwood/Wilberg Mine

- | | | |
|---|---------------|----------|
| * | Submittal Due | 03/06/94 |
|---|---------------|----------|

Mountain Coal Company: C.V. Spur Mine

- | | | |
|---|---------------|----------|
| * | Submittal Due | 04/07/94 |
|---|---------------|----------|

Mountain Coal Company: Gordon Creek #2, #7 & #8 Mine

- | | | |
|---|---------------|----------|
| * | Submittal Due | 04/28/94 |
|---|---------------|----------|

MID-TERM REVIEWS

- * Wildcat Loadout - Begin July 1991
Letter Sent 09/16/91 to Commence Mid-Term
Completed December 4, 1991
- * C.V. Spur - Begin September 1991
Letter Sent 09/17/91 to Commence Mid-Term
Letter Sent 02/04/92
Response Received 04/15/92
Review Sent 06/08/92
Response Due 06/25/92
Completed 06/30/92
- * Cottonwood/Wilberg - Begin September 1991
Letter Sent 09/17/91 to Commence Mid-Term
Letter Sent 02/04/92
Response Due 03/06/92 (Extended to 03/20/92)
Received 03/25/92
Review Sent 08/01/92
Response 10/15/92 and 12/11/92
Approved 01/07/93
- * Gordon Creek #2, #7 & #8 - Done 02/26/92
- * Trail Mountain - Letter Sent August 21, 1992
Due October 1, 1992
Extended to 10/30/92
Response Received 10/30/92
Review Sent 12/07/92
Response Received 01/07/93
Completed 02/09/93
- * Deer Creek - Begin May 1993
Due July 1993
- * Des-Bee-Dove - Sent March 1, 1993
Done April 8, 1993
- * Bear Canyon - May 1993
- * Sunnyside Mine - July 1993

LEASE TRACTS

Bear Canyon Lease Tract

*	Division Received	12/21/89
*	Initial Completeness Review Issued to Operator	03/01/90
*	Other Agency Comments Sent to Operator	06/11/90
*	Operator Response	07/13/90
*	Determined Complete	09/25/90
*	Technical Deficiency Sent to Operator	12/04/90
*	Partial Operator Response	01/02/91
*	Informal Hearing	02/05/91
*	Response to Informal Hearing	05/20/91
*	Resubmitted Copies for Other Agencies	01/04/93
*	Sent to Other Agencies	01/12/93
*	Review From Other Agencies Due	02/19/93
*	Send Division Technical Deficiencies	04/30/93
*	**Technical Analysis	
*	Document Sent to Washington	
*	State Permit Issued	

** Co-Op Mining Company drilled underground monitoring three (3) holes. Consultant report forthcoming. The Federal Lease Tract Addition is delayed indefinitely. Sent letter 08/04/92 stating that Federal Lease Tract cannot be considered until revised PHC submitted and reviewed. Revised PHC Submitted 09/17/92. Letter sent 10/5/92 regarding updated copies needed for agencies. Updated copies received 1/5/93, transmitted to agencies 1/12/93.

Rilda Canyon: Deer Creek Mine

*	Division Received	02/12/90
*	Initial Completeness Review (with other agency comments)	05/23/90
*	Partial Operator Response (hydro missing)	10/15/90
*	PHC Information Sent	05/01/91
*	Second Operator Response Sent to Division	12/26/91
*	PHC Review Sent to Operator	02/10/92
*	PHC Partial Operator Response	02/26/92
*	Update Request of Plan Sent	03/06/92
*	Operator Response (PHC)	03/25/92
*	Division PHC Review Sent	05/15/92
*	Operator Response (PHC)	07/15/92
*	Division Concern Letter Sent	07/22/92

LEASE TRACTS (Continued)

Rilda Canyon: Deer Creek Mine (Continued)

*	IBC Submitted	09/18/92
*	IBC Info Sent to OSM, Denver	11/04/92
*	IBC Approved	01/06/93
*	2nd IBC Submitted	04/14/93
*	Other Agency Comments Due	05/28/93
*	Operator Submits More Information	06/93
*	Completeness Review	08/93
*	Determine Complete	10/93
*	Technical Analysis	11/93
*	Send to Washington	01/94
*	State Permit Issued	02/94

Castle Valley Ridge Lease Tract: Star Point Mine

*	Division Receives	09/17/91
*	Division Reviews for Completeness	
	Issues ICR/TD	05/20/92
*	PHC Update Submitted	05/15/92
*	Division Review of PHC Sent	08/04/92
*	Determined Not Complete Letter Sent	08/14/92
*	PHC Review Response Received	09/28/92
*	PHC Review Sent	12/03/92
*	PHC Response Received	01/15/93
*	Determined Complete	03/01/93
*	PHC Division Review Sent	03/24/93
*	Informal Conference Scheduled	06/03/93
*	Technical Analysis	07/93
*	Send to Washington	09/93
*	State Permit Issued	11/93

Sunnyside Coal Company - "B" and "C" Canyon

*	Sunnyside Mine Reps Met with Division	03/25/92
	Re: Permitting (Met w/Bob Burnham)	05/07/92
*	Division Receives	

LEASE TRACTS (Continued)

Horse Canyon: South Lease

- | | | |
|---|---|----------|
| * | Meeting to Discuss Permitting | 02/04/93 |
| * | Baseline Water Monitoring & Exploration Meeting | 03/15/93 |
| * | Submit Application | 07/93 |

RECLAMATION REVIEW - Work To Be Done

- * Gordon Creek #2, #7, & #8 - Closed November 1, 1990.
Partially Reclaimed 1991.
Highwall Review Meeting Held 02/25/92.
Resubmitted Highwall & Reclamation
Information 05/07/92.
NOV #N92-20-1-1 Issued 06/15/92 Due to Lack
of Information in Plan.
Meeting with Dan Guy, Scot Anderson (Arco
Legal Counsel) on 06/25/92.
Abatement Date 06/29/92.
Informal Hearing Held 07/14/92. Division Order
92-A (Review Comments) Sent 07/27/92.
Agreement Letter of Schedule Sent to Scott
Anderson 08/17/92. Approval of Highwalls
09/10/92. Some Reclamation Work Done in
1992, Balance in 1993.
Reclamation Resubmittal Received 02/01/93.
ICR & TD Review Sent 03/17/93.
Meeting on 04/01/93.
Deficiency Response Received 05/10/93.

- * J.B. King - Three NOVs Written and Upheld by Director,
Numerous Exchanges.
Reclamation Plan Justifying Doing Nothing
Submitted 09/15/92.
Meeting with Dianne 10/23/92.
Memos to Dianne & Lowell 11/12/92,
Re: Abatement Plan Deficiencies.
Letter Sent 12/07/92; Violation Modified.
Response Received 01/21/93.
PGL Memo to Lowell 04/14/93.
NOVs Extended to 05/28/93.

Page 9
Tentative Schedule
"A" Team
May 20, 1993

RECLAMATION REVIEW - Work To Be Done (Continued)

- * Hidden Valley
 - Division Upheld NOV N91-26-8-2.
 - Board Upheld 07/30/92.
 - Third District Upheld 11/05/92.
 - Appealed to Supreme Court 01/93.
 - Need to Implement Abatement Plan By 02/20/93
(Vegetation) and 04/01/93 (Erosion Control)
(In construction)

jbe
cc: Joe Helfrich
Daron Haddock
A:\PERMSCHE.MEM



Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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801-538-5319 (TDD)

Den Coal Corr

June 29, 1993

1 ~ Coal Operators in the Book Cliffs and Wasatch Plateau

Dear 2 ~:

Re: Water Monitoring Parameter Changes, Carbon and Emery County Mines

The Division has reviewed historical water monitoring data from active coal mines located in the Book Cliffs and Wasatch Plateau and has determined that some of the water monitoring parameters can be deleted. These parameters, along with the sampling methodology were discussed at the November 1992 Utah Coal Operator's meeting in Price. **The following parameters were selected for deletion: Acidity, Barium, Chromium, Fluoride, Mercury, Nickel, Silver, and Sulfide. Specific conductivity was added to the laboratory analysis list for both surface and groundwater sites.**

In addition, **the requirement to monitor both total and dissolved forms will be changed by deleting the total metals analysis and requiring only the dissolved forms. Iron and Manganese will still need to be analyzed for both total and dissolved.** The dissolved analysis will require that samples be filtered in the field into acidified bottles. Henceforth, the Division will expect that all future metals baseline samples will be filtered and acidified.

The Division will consider amendments to your water monitoring program for the above-noted water monitoring parameters. Other parameters may be considered for deletion from the water monitoring parameter list on a site specific basis. Justification for deletion must be included with an amendment to your plan and would involve analyzing the mine's historical water monitoring data to demonstrate that certain parameters are not being detected. Please note that UPDES monitoring requirements cannot be deleted or modified without prior approval from the Utah Division of Water Quality.



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8~

Water Monitoring Parameter Changes
June 29, 1993

If you have any questions or comments, please call Ken Wyatt or me.

Sincerely,

LrB

Lowell P. Braxton
Associate Director

WATMON

Mr. Ben Grimes
Environmental Coordinator
Cyprus Plateau Mining Corporation
P.O. Drawer P M C
Price, Utah 84501

Ms. Kathleen G. Welt
Environmental Supervisor
Mountain Coal Company
P.O. Box 591
Somerset, Colorado 81434

Mr. Val Payne
Sr. Environmental Engineer
PacifiCorp
P.O. Box 1005
Huntington, Utah 84528

Mr. Mike Glasson
Senior Geologist
Andalex Resources, Inc.
P.O. Box 902
Price, Utah 84501

Ms. Jean Semborski
Environmental Coordinator
Andalex Resources, Inc.
P.O. Box 902
Price, Utah 84501

Mr. Wendell Owen
Co-Op Mining Company
P.O. Box 1245
Huntington, Utah 84528

Mr. David W. Anderson, P.E.
Intermountain Power Agency
Department of Water and Power
City of Los Angeles; Room 1164
111 North Hope Street
Los Angeles, California 90012

Mr. Joe Fielder, General Manager
Sunnyside Coal Company
P.O. Box 99
Sunnyside, Utah 84539

Mr. David Pearce
Sunnyside Cogeneration Associates
P.O. Box 58087
Salt Lake City, Utah 84158-0087

Mr. Walt Ruzzo
BHP Petroleum Americas
550 California Street
San Francisco, California 94104

Mr. Richard H. Allison, Jr. P.E.
Project Supervisor
Amax Coal West, Inc.
165 South Union Blvd., Suite 1000
P.O. Box 280219
Lakewood, Colorado 80228-0219

Mr. John Gefferth, Group Leader
Consolidation Coal Company
12755 Olive Boulevard
St. Louis, Missouri 63141

Mr. Jay Marshall
Castle Valley Resources
P. O. Box 1282
Huntington, Utah 84528

Mr. Allen Childs
Genwal Coal Company, Inc.
P. O. Box 1201
Huntington, Utah 84528

Mr. Rick Olsen, President
Soldier Creek Coal Company
P. O. Box 1
Price, Utah 84501

Mr. Ken May, Manager
Southern Utah Fuel Company
397 South 800 West
Salina, Utah 84654

Mr. Michael Baum, President
U. S. Fuel Company
P. O. Box 887
Price, Utah 84501

Mr. Ken Payne, Manager
Utah Fuel Company
P. O. Box 719
Helper, Utah 84526

Mr. Robert Q. Fox
General Superintendent
Valley Camp of Utah, Inc.
Scofield Route
Helper, Utah 84526



State of Utah

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June 29, 1993

TO: Inspection and Enforcement Teams

FROM: Sharon Falvey, Senior Reclamation Hydrologist *OF*
Paul Baker, Reclamation Biologist *YH*

THRU: Daron Haddock and Pam Grubaugh-Littig, Permit Supervisors *OK*

RE: Inspection Kits

Scope and Intent

The current procedure for checking out inspection equipment has failed to provide inspectors with adequate access to necessary equipment. Therefore, it is suggested that each vehicle have an Inspector's Kit that would be retained in the locking drawers east of the topographical maps. This kit would include all items for which safe and proper storage is necessary. Other items will be retained in the vehicles. In addition to the Inspector's Kit, one water quality kit per team is suggested, or one kit at the SLC office and one kit at PFO. It is suggested a determination whether an additional soils kit is necessary should also be made.

Each vehicle coordinator would be responsible for checking the Inspection Kit at the end of the month to determine if the items are retained in the kit and functioning properly. One hydrologist per team (or PFO member), should be responsible for the water quality kits.

The currently available inventory would be used to make up each kit. In addition to the available inventory, new items would need to be purchased. It is suggested that copies of this memo be submitted to all coal inspectors for comment. Following comment, and when final inventory needs are determined, additional items required would be priced. The procedure would be submitted in final form with justification for additional purchases provided.

Inspection Kits

Clinometer or Brunton Compass
100 ft tape.
Camera
Camera case
Film

Items to Remain in Vehicle

5 Ft stick
5 gallon bucket
1 gallon bucket
Cooler
Shovel
Sample Bottles
Soil Sample Containers (Plastic Bags)



Page 2
June 29, 1993

Water Quality Kit

Imhoff Cone
Stir Stick
Stop Watch
Conductivity Meter
pH Meter
Thermometer
Filtrator
Filters
Funnel
Float
Permanent Ink Pen
Porcelain Plate Syringe
Water Quality Folder
-- Chain of Custody Forms
-- ID Tags and Labels

INSPKITS.MEM



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July 6, 1993

Mr. Steve Rathbun
Inspection and Enforcement
Office of Surface Mining
505 Marquette N.W., Suite 1200
Albuquerque, New Mexico 87102

Dear Mr. Rathbun:

Re: Inspection Schedule for July, August and September 1993

The Division's tentative mine inspection schedule for the months of July, August, and September 1993, is enumerated below:

Week of July 5-9, 1993

Steve Demczak	Blackhawk Exploration	(E)
	Centennial Project	(C)
Bill Malencik	Des-Bee-Dove	(C)
	Trail Canyon	(P)

Week of July 12-16, 1993

Steve Demczak	Belina Complex	(C)
	Skyline	(P)
Paul Baker	Castle Gate	(P)
	Knight	(C)
Wayne Western	Convulsion Canyon	(P)
Tom Munson	Wildcat Loadout	(P)
	Gordon Creek #2, #7 & #8	(P)
Hugh Klein	Sunnyside Cogeneration	(C)
Bill Malencik	C.V. Spur	(C)
	Huntington #4	(P)

Page 2
Inspection Schedule
July-September 1993
July 6, 1993

Week of July 19-22, 1993

Steve Demczak	Hiawatha	(P)
	Banning Loadout	(P)
Sharon Falvey	Soldier Canyon	(P)
Jim Smith	Crandall Canyon	(P)
Ken Wyatt	Deer Creek	(C)
Jess Kelley	Trail Mountain	(P)
Bill Malencik	Cottonwood/Wilberg	(P)
	Sunnyside	(P)

Week of July 26-30, 1993

Steve Demczak	Wellington Prep	(P)
	Emery Deep	(P)
Randy Harden	Blazon #1	(P)
	Boyer	(P)
	Summit Minerals	(P)
Henry Sauer	Star Point	(P)
	Horse Canyon	(P)
Susan White	Gordon Creek #3 & #6	(P)
	Bear Canyon	(C)
Bill Malencik	Hidden Valley	(P)
	J.B. King	(P)

Week of August 2-6, 1993

Steve Demczak	Hiawatha	(C)
	Centennial Project	(P)
Susan White	Trail Canyon	(C)
	Bear Canyon	(P)
Bill Malencik	Gordon Creek #3 & #6	(P)
	Huntington #4	(P)

Page 3
Inspection Schedule
July-September 1993
July 6, 1993

Week of August 9-13, 1993

Steve Demczak	Wellington Prep	(C)
	Emery Deep	(C)
Wayne Western	Convulsion Canyon	(C)
Tom Munson	J.B. King	(C)
	Hidden Valley	(C)
Henry Sauer	Wildcat Loadout	(P)
	Gordon Creek #2, #7 & #8	(P)
Hugh Klein	Trail Mountain	(C)
Bill Malencik	Star Point	(C)

Week of August 16-20, 1993

Steve Demczak	Skyline	(C)
	Blackhawk Exploration	(E)
Jim Smith	Crandall Canyon	(P)
Sharon Falvey	Soldier Canyon	(C)
Randy Harden	Boyer	(P)
	Summit Minerals	(P)
Ken Wyatt	C.V. Spur	(P)
	Deer Creek	(C)
Bill Malencik	Sunnyside	(C)
	Cottonwood/Wilberg	(P)
	Horse Canyon	(P)

Week of August 23-27, 1993

Steve Demczak	Belina Complex	(P)
	Banning Loadout	(P)
Paul Baker	Knight Mine	(P)
	Castle Gate	(C)
Randy Harden	Blazon #1	(P)

Week of August 30-September 3, 1993

Hugh Klein	Sunnyside Cogeneration	(P)
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Week of September 7-10, 1993

Steve Demczak	Emery Deep	(P)
	Banning Loadout	(C)
	Blackhawk Exploration	(E)
Jim Smith	Crandall Canyon	(C)
Jesse Kelley	Gordon Creek #2, #7 & #8	(C)
	Wildcat Loadout	(C)
Susan White	Huntington #4	(C)
	Star Point	(P)
	Bear Canyon	(P)
Bill Malencik	Gordon Creek #3 & #6	(C)
	Trail Mountain	(P)

Week of September 13-17, 1993

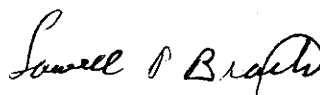
Steve Demczak	Wellington Prep.	(P)
	Skyline	(p)
Sharon Falvey	Soldier Canyon	(P)
Wayne Western	Convulsion Canyon	(P)
Henry Sauer	Sunnyside	(C)
Tom Munson	Horse Canyon	(C)
Bill Malencik	Deer Creek	(P)
	Trail Canyon	(P)

Page 5
Inspection Schedule
July-September 1993
July 6, 1993

Week of September 20-24, 1993

Steve Demczak	Belina Complex	(P)
	Hiawatha	(P)
	Centennial Project	(P)
Randy Harden	Boyer	(C)
	Summit Minerals	(C)
	Blazon	(C)
Paul Baker	Knight	(P)
	Castle Gate	(P)
Susan White	Hidden Valley	(P)
	J.B. King	(P)
Hugh Klein	Sunnyside Cogeneration	(C)
Ken Wyatt	Cottonwood/Wilberg	(C)
Bill Malencik	C.V. Spur	(P)

Sincerely,



Lowell P. Braxton
Associate Director, Mining

jbe/mbm

cc: Marcia Petta, OSM, Albuquerque
Pamela Grubaugh-Littig, DOGM
Daron Haddock, DOGM
Joe Helfrich, DOGM
Mining Inspectors

A:\JUL-SEP.93



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Gen. Coal Corr.

July 9, 1993

TO: James W. Carter, Director
Lowell P. Braxton, Associate Director, Mining
Daron Haddock, Permit Supervisor

FROM: Pamela Grubaugh-Littig, Permit Supervisor *pgl*

RE: Coal Bond Status Report as of July 1, 1993

Attached is a copy of the current coal bond status report. Presently, the coal program has a total of \$48,664,568 in various forms of reclamation bonds.

Corporate Sureties (28)	\$39,237,804	> 80%
Irrevocable Letters of Credit (5)	\$ 3,978,002	> 8%
Subordination Agreements (Real Estate) (3)	\$ 3,034,762	> 6%
Self Bond (1)	\$ 2,329,000	< 5%
Certificate of Deposit (1)	\$ 75,000	< .5%
Cash (1)	\$ <u>10,000</u>	< .5%
	\$48,664,568	

jbe
Attachment
A:\COAL.BND

COAL BONDS

As of July 1, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Valley Camp of Utah, Inc. Belina Mines Complex ACT/007/001	Yes (11/30/89)	79	\$2,300,000	Surety (Ridered)	Aetna Casualty & Surety Co. 25S100723365 (A)	12/7/91	\$29,114	8/24/84 (11/17/89)	Previous bond under Federal Insurance Company. Changed surety companies 12/7/91
Blackhawk Coal Company Willow Creek INAV007/002		4.2	(\$10,000) (Released)	Surety (Released)	Safeco Insurance Co. #5615354 (A++)	7/12/84 (7/30/90)	\$2381	12/24/84	Original Posted: (Released \$91,550 8/13/85) \$2,585,609 released 7/30/90; Final bond released 8/24/92
Amaz Coal Industries Castle Gate Mine ACT/007/004	Yes (2/5/86)	134.5	\$2,683,603	Surety	National Fire Insurance Company Hartford #929-80-55 (A+)	1/31/86	\$19,952 Permit Transfer	12/24/84 (12/24/90)	
Coastal States Energy Skyline Mine ACT/007/005	Yes (12/1/89)	65.38	\$3,180,000	Surety	United Pacific Ins. Co. #U605244-6 (A-)	3/15/90 (5/31/90) (6/9/92)	\$48,639	6/20/80 (4/30/87) (5/1/92)	Original Bond Amount - \$1,850,500 (6/20/89); Bonds replaced 7/30/90; Rider added 3/15/90; Rider added 6/9/92; Reclamation Agreement being updated
Cyprus Plateau Mining Corp. Star Point Mine ACT/007/006	Yes (1/4/91)	173.2	\$4,830,000	Surety	Aetna Casualty & Surety Co. 64S100208576BCA (A)	11/26/85 (10/26/90)	\$27,887	(8/7/87) (1/28/92)	Reclamation Agreement Signed 11/2/90; Ridered "termination" language 9/91
Cyprus Plateau Mining Corp. Exploration		3	\$50,000	Surety	Aetna Casualty 64S100767004BCA (A)	9/21/92	\$16,667		Exploration Project

COAL BONDS

As of July 1, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acre	Date		Comments
								Original Permit Issued (5-Yr Renewal)	Issued (5-Yr Renewal)	
Sunnyside Coal Company Sunnyside Mine ACT/007/007	Contract (12/11/89)	287.4	\$2,813,562	Combination	C.D. issued for \$75,000 at Zions First National Bank. First Deed of Trust for Undisturbed Land and Water Rights; Agreement 8/28/89	8/31/89	\$9,790	1/6/86 (1/6/91)	1/6/86 (1/6/91)	Escrow Agreement Finalized 6/90 3/13/89 Active Status; Transferred from Kaiser Coal Co. 5/26/89
Kaiser Coal Corp. Sunnyside Mine ACT/007/007	Special		(\$3,397,349)		Filed Chapter 11 2/13/87; Agreement with SRS 3/9/89; Transferred to SRS Replaced by SRS Bond	1/6/86				
Sunadco Sage Point-Dugout Canyon REV/007/009		No	(\$611,875) (Released)	Surety (Released)	Federal Insurance Co. #8090-86-10 (A++)	12/8/80		(Permit Revoked) 5/19/87	5/19/87	Bond released 5/19/87 No disturbance
U. S. Fuel Co. Hiawatha Mines Complex ACT/007/011	Special	290	\$1,450,000 \$2,329,000	Surety Self Bond	Insurance Company of North America K01733369 (A-) DOGM and OSM	4/8/83 (12/16/86)	\$13,031	3/13/87 (3/13/92)		
Kaiser Coal Corp. Wellington Prep. Plant ACT/007/012	Yes	356	(\$4,360,775)	Self-Bond	Division of Oil, Gas and Mining; Filed Chapter 11 2/13/87; Replaced by Genwal ILOC	1/31/86 Permit Transferred 10/10/89	\$12,249	12/10/84		Bankrupt
Castle Valley Resources Wellington Prep. Plant ACT/007/012	Yes (8/16/91)	356	\$2,969,000	Surety	Safeco Insurance Co. #5612986 (A++)	10/26/89 (5/27/93)	\$8,340	(12/10/89)		Permit Transfer to Genwal 10/10/89; Permit Transfer to Castle Valley Resources 12/5/91; Rider added 5/27/93

COAL BONDS

As of July 1, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Kaiser Coal Corp. Geneva (Horse Canyon Mine) ACT/007/013		50	(\$918,649)	Self Bond	Division of Oil, Gas and Mining, and OSM	Filed Chapter 11 2/13/87	\$18,373		Transferred from U.S. Steel 11/4/85
Kaiser Coal Corp. Horse Canyon Mine ACT/007/013		50	(\$1,359,600)	Irrevocable Letter of Credit	Chase Manhattan Bank No. PG632732	4/12/90	27,192		Released by OSM 1/26/91; DOGM 1/27/91
Intermountain Power Agency Horse Canyon Mine ACT/007/013	Yes (7/3/90)	50	\$1,950,002	Irrevocable Letter of Credit	Zions First National Bank	7/2/90	39,000	5/6/91	IPA Acquired Horse Canyon Mine 4/5/90; Permit issued 5/6/91; Bond increased 5/3/91
Mountain Coal Co. Gordon Creek #2, 7 & 8 ACT/007/016	Yes (8/28/89)	17.58	\$641,443 (\$45,900)	Surety (Released)	United Pacific Insurance Co U-62-99-65 (A-) #8082-93-00 (A-)	8/14/87 11/22/77	\$36,487	8/27/84 (8/28/89)	Ridered "termination" language 9/91
Mountain Coal Co. Gordon Creek #3 & #6 ACT/007/017	No	17.3	\$138,400	Surety	United Pacific Insurance Co. U-629895 (A-) Phase I-Bond Release Effective 6/26/87 Ridered 7/13/87	9/19/86 7/13/87	\$8,000	9/19/86 (11/13/91)	Original Bond Amount \$346,000
Soldier Creek Coal Co. Soldier Canyon Mine ACT/007/018	Yes (5/2/91)	24	\$3,238,000	Surety	Federal Insurance Co. #8107-37-63 (A++) Rider	8/15/85 (8/27/87) (4/16/91) (1/17/92)	134,916	6/10/85 (2/3/92)	Increased from \$577,000 5/2/91; increased in conjunction with renewal
Andalex Resources Centennial Project ACT/007/019	Yes (7/6/90)	34.2	\$381,839 \$699,000	Surety Surety	Utica Mutual Insurance SU34593 (A) & SU1354086	5/16/83 (7/3/90) (2/23/93)	\$31,603	1/4/82 (3/3/87) (1/3/92)	Increased to \$1,080,839 on 7/3/90

COAL BONDS

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As of July 1, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acre	Date		Comments
								Original Permit Issued (5-Yr Renewal)	Issued (5-Yr Renewal)	
North American Equities Blazon #1 Mine REC/007/021	No	1.5	\$38,000 (Forfeited)	Irrevocable Letter of Credit S43865	United Bank of Denver	5/5/89	\$25,333	11/12/85		LOC with First Interstate Bank replaced 2/91; Amount reduced from \$48,400 4/30/91; Bond forfeited 5/24/91- Cashier's Check to Division
Mountain Coal Co. C.V. Spur Mine ACT/007/022	Yes (8/7/89)	160	\$2,441,745	Surety	United Pacific Insurance Company (A-) U-629894	4/22/87	\$15,261	8/6/85 (8/6/89)		Ridered "termination" language 9/91
Andalex Resources, Inc. Wildcat Loadout Facility ACT/007/033	Yes (5/5/89)	60	\$813,795	Surety	Continental Casualty Co. 400776222	12/1/92	\$13,563	5/5/89		Changed from Pittsburgh National Bank in 4/92; Replaced ILOC 12/9/92
Soldier Creek Coal Co. Banning Siding Loadout ACT/007/034	Yes (10/20/88)	21.4	\$211,000	Surety	Federal Ins. Co. #8118-41-22 (A++)	10/12/88	\$9,860	10/24/88		
Sunnyside Cogeneration Associates Sunnyside Refuse & Slurry ACT/007/035	Yes (1/25/93)	202	\$1,500,000	Irrevocable Letter of Credit	First Security Bank S-09742-00018	1/22/93	\$7,426	2/4/93		Permit Issued 2/4/93; Double bonded with Sunnyside Permit Area until removed
Cyprus Plateau Mining Corp. Blackhawk Exploration Site CEP/007/038	No	3.1	\$50,000	Surety	Aetna Casualty & Surety Company 64S100767004BCA (A)	9/21/92	\$16,129			Exploration Project
Western States Minerals J. B. King Mine ACT/015/002	No	28	\$126,078	Surety	Seaboard Surety Co. #104570 (A+) Phase I Bond Release (effective 5/20/86) Ridered 4/28/86	(4/28/86)	\$4,503	8/13/85 (8/13/90)		Original Bond Amount - \$262,577

COAL BONDS

As of July 1, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Mountain Coal Co. Huntington #4 Mine ACT/015/004	No	12.5	\$144,042	Surety	Federal Ins. Co. #8082-89-88 (A++) (Phase I-60% bond release effective 11/10/86 rider - 12/31/86)	4/15/85 (12/12/86) (7/8/88)	\$11,523	4/29/85 (4/29/90)	Original Bond Amount - \$360,102; Ridered "termination" language 9/91
Hidden Valley Coal Co. Hidden Valley Mine REC/015/007	No	6.7	\$68,606	Surety	St. Paul Fire & Marine Ins. Co. #400 HJ 8041 (A+) Phase I bond release effective 7/17/88	12/30/86 (7/17/88)	\$10,240	1/28/87 (1/29/92)	Original Bond Amount - \$171,515
PacifiCorp Trail Mountain Mine ACT/015/009	Yes (10/12/92)	9.45	\$700,000	Surety	American Casualty Co. of Reading, PA #700819575 (A+)	9/29/92	74,074	2/21/85 (2/21/90)	Federal Mine Approval Tract 1 & 2 Transfer effective 11/23/87; Federal Lease Tract approved 5/15/91; Ridered "termination" language 9/91; Ridered increased amount and disturbance on 4/28/92 (from \$463,711 and 8.8 acres). Transferred from Mountain Coal Company to PacifiCorp 11/13/92
Consolidation Coal Co. Emery Deep Mine ACT/015/015	Yes (8/10/92)	247	\$3,454,443 (for mine & prep plant areas)	Surety	Seaboard Surety #188617 (A+)	12/11/85 (5/3/91)	\$13,986	6/8/82 & 1/7/86 (1/8/91)	
PacifiCorp Des-Bee-Dove Mine ACT/015/017	Yes (12/13/90)	74.5	\$1,837,712	Surety	American Casualty Co. of Reading, PA. #926-00-83 (A+)	1/25/85 (12/6/90)	\$24,667	8/29/85 (5/31/91)	New Bond Submitted for PacifiCorp 12/90; Ridered "termination" language 9/91

COAL BONDS

As of July 1, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
PacifiCorp Deer Creek Mine ACT/015/018	Yes (12/13/90)	56	\$2,000,000	Surety	American Casualty Co. of Reading, PA. #927-21-58 (A+) Rider effective 9/17/92	3/15/85 (9/17/92)	\$35,714	2/7/86 (2/7/91)	Waste Rock Storage Added 9/88; Original Bond Amount - \$1,224,000; New Bond Submitted for PacifiCorp 12/90; Ridered "termination" language 9/91; Increased from \$1,724,000 to include amendment changes 9/92
PacifiCorp Cottonwood/Wilberg Mine ACT/015/019	Yes (12/13/90)	66.92	\$2,071,098	Surety	American Casualty Co. of Reading, PA. #924-98-19 (A+)	6/15/84 (11/3/89) (6/7/90) (11/13/90)	\$30,949	7/6/84 (7/6/89)	Original Bond Amount-\$1,294,522 Ridered 6/7/90 for Waste Rock Site - \$1,586,008 (New Bond Submitted 11/20/90 for PacifiCorp with revised amount); Ridered "termination" language 9/91
Co-Op Mining Co. Trail Canyon Mine ACT/015/021	No	10	\$200,000	Irrevocable Letter of Credit	West One Bank #S-557	6/15/89	\$20,000	5/30/89	Automatically Renewable
Co-Op Mining Co. Bear Canyon Mine ACT/015/025	Yes (8/11/89)	10	\$290,000	Irrevocable Letter of Credit	Capital City Bank #1055	Amended 10/20/92 (for C.W. Mining) Expires 10/24/94	\$29,000	11/1/85 (5/20/91)	Automatically Renewable
Genwal Coal Co. Crandall Canyon Mine ACT/015/032	Yes (6/13/89)	9.7	\$268,000	Surety	Safeco Ins. Co. #4689175 (A++)	5/10/90	\$27,629	(6/14/89)	Replaced ILOC 7/30/90 with Surety

COAL BONDS

As of July 1, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1992	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Genwal Coal Co. Crandall Canyon Mine ACT/015/032	No	5.1	\$10,000	Cash	(Mohrland Loadout)	7/11/88	1,961		Still held but should probably be released
New Tech Mining Co. (Exploration) Black Jack #1 Mine ACT/019/004		7.2	(\$30,534)	Escrow Account	First Interstate Bank #72-3024-006 Revoked Permit 9/88	1/23/84 & 12/14/79	\$4,241		Bond forfeited; Division preparing reclamation contract to complete reclamation in 1992; Reclamation completed November 1992
Coastal States Energy Co. Southern Utah Fuel Co. Convulsion Canyon Mine ACT/041/002	Yes (8/26/88)	69.70	\$1,690,000	Surety	United Pacific Insurance Co. U605244-14 (A-)	4/12/91 (7/23/92)	\$24,247	5/19/87 (6/20/92)	Ridered 7/23/92; Reclamation Agreement updated 2/25/93
Coal Search Corp. Knight Mine ACT/041/005	Yes (85 version)	40	\$800,000	Surety	Seaboard Surety Co. #164898 (A+)	9/16/90	\$20,000	10/31/88	Federal Ins. Co. Surety replaced 9/16/90; Phase I Bond Release is pending
Summit Minerals Blackhawk Mine REV/043/001	No	19	\$120,300	Subord. Agreement	Division (Real Estate in Wallsburg, UT) (Permit Denied)	6/4/86	\$6,332	2/26/88 Permit Denial	In process of selling collateral bond
Summit Coal Co. Boyer Mine ACT/043/008	No	7	\$100,900	Subord. Agreement	Division (Real Estate in Park City, Utah) Permit Revoked 8/4/89	8/2/85	\$14,414	5/15/87	Collateral Bond has been sold and money in possession of State

*All of the bonding companies are listed in the Federal Register, July 1, 1992, the Department of Treasury listing of Surety Companies acceptable on Federal bonds.

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State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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TO: ✓ Lowell Braxton, Associate Director of Mining
Ron Daniels, Legislative Liaison

THROUGH: Daron Haddock, Permit Supervisor *DRH*
Pamela Grubaugh-Littig, Permit Supervisor *pgk*

FROM: Paul Baker, Reclamation Biologist *PAB*
Susan White, Senior Reclamation Biologist *SMW*

DATE: July 12, 1993

RE: Proposed Allowable Husbandry Practices

R645-301-357.300 allows that certain normal husbandry practices be allowed on reclaimed areas without restarting the bond liability period. These practices must first be approved as part of the State's program.

We recommend that a new appendix, Appendix C, containing the approved practices be added to the "Vegetation Information Guidelines" and that R645-301-357.300 be reworded to refer to this appendix.

Attached to this memorandum are the proposed Appendix C and justifications for including the husbandry practices in the rules including our proposal for rewriting R645-301-357.300.

cc: Tom Mitchell
Bill Richards



357.300.

The Division ~~may approve~~ ~~has approved~~ selective husbandry practices, ~~such as weed and brush control, fencing, and water developments or other practices once they have been~~ and incorporated into the Utah program, in accordance with 30 CFR 732.17 as being normal husbandry practices, excluding augmented seeding, fertilization, or irrigation, without extending the period of responsibility for revegetation success and bond liability, ~~if such.~~ These practices can be expected to continue as part of the postmining land use or ~~if~~ discontinuance of the practices after the liability period expires will not reduce the probability of permanent revegetation success. Approved practices ~~will be~~ are normal conservation practices within the region for unmined lands having land uses similar to the approved postmining land use of the disturbed area, ~~including such practices as disease, pest, and vermin control, and any pruning, reseeding and/or transplanting specifically necessitated by such actions.~~ Approved husbandry practices are limited to those identified in the Division's "Vegetation Information Guidelines, Appendix C."

Vegetation Information Guidelines
Appendix C
Approved Husbandry Practices

R645-301-357.300 states that the Division may approve selective husbandry practices, such as weed and brush control, fencing, and water developments or other practices once they have been incorporated into the Utah program, in accordance with 30 CFR 732.17 as being normal husbandry practices, excluding augmented seeding, fertilization, or irrigation, without extending the period of responsibility for revegetation success and bond liability, if such practices can be expected to continue as part of the postmining land use or if discontinuance of the practices after the liability period expires will not reduce the probability of permanent revegetation success. The following practices are approved to be performed after the bond liability period begins without restarting the period.

The phrase "vegetation establishment period" referred to in these rules is defined as the first 60% of the bond liability period or until phase II bond release is granted, whichever ever comes first.

The 80/60 rule mentioned in these rules refers to R645-301-356.232 which requires that 80% of trees and shrubs used in determining the success of stocking and adequacy of plant arrangement will have been in place for at least 60% of the liability period. No trees or shrubs in place for less than two growing seasons will be counted in determining stocking adequacy.

I. Seeding and Transplanting

Up to a total of 10% of a reclaimed area may be reseeded or planted during the first 20% of the liability period (one or two years) without restarting the period. After the first two years, no more than 1% of the reclaimed area could be reseeded in any single year without restarting the period, and no reseeded area could be larger than 1/2 acre. No seeding is allowed after the vegetation establishment period. Any seeding above this level would be considered "augmented seeding".

Trees or shrubs up to 20% of the required stocking rate may be planted through 60% of the bond liability period (either two or four years). If shrubs are to be established by seed, small areas must be scalped as described by Plummer et al., 1968, pp. 33-34. The number of scalped areas where the seed is planted may not exceed 20% of the required stocking rate.

This rule is comprehensive and, with the exception of siltation structure removal, applies to all approved husbandry practices where reseeded is necessitated by the practice. The 10% and 1% limits for areas that may be seeded apply to all practices combined. For example, seeding 1% of an area because of weed control and 1% of an area for rill and gully repair all in the fifth year of a ten-year liability

period would not be allowed.

II. Weed Control and Associated Revegetation

Any revegetation necessitated by implementation of the following practices must be performed within the limitations of the seeding and transplanting restrictions given above. Weed control is allowed through the entire bond period for noxious weeds and through the first 20% of the liability period for other weeds.

1. Chemical weed control. Weed control through chemical means following the current Utah Weed Control Handbook and herbicide labels is allowed. (Documentation: BLM, 1991; Vallentine, 1977, pp. 105-141, 280; 1991 Utah Weed Control Handbook)
2. Mechanical weed control. Approved practices include hand-roguing or grubbing and mowing. (Documentation: BLM, 1991, and Vallentine, 1977, p. 93)
3. Biological control. Selective grazing by domestic livestock is allowed. Biological control of weeds through disease, insects, or other biological weed control agents is allowed but must be approved on a case-by-case basis by, as appropriate, the Division, the Utah Department of Agriculture State Entomologist's Office, the Animal and Plant Health Inspection Service (APHIS) of the U. S. Department of Agriculture, and any other agency which may regulate the introduction or use of the control agent. (Documentation: Vallentine, 1977, pp. 56-65, and BLM, 1991)

III. Control of Other Pests

1. Big game (deer, elk, and moose) control using fencing and barriers, repellents, and scaring during the vegetation establishment period. Approved methods are those contained on pages 430-431 of the Wildlife Management Techniques Manual and which are allowed by law and land management agency regulation. Techniques that fit in these general categories that are not specifically discussed in this manual would be considered on a case-by-case basis by the Division and the Division of Wildlife Resources. (Documentation: The Wildlife Society, 1980, pp. 430-431)
2. Small mammal and insect control will be allowed on a case-by-case basis after evaluation of the problem by Wildlife Resources and/or State Department of Agriculture personnel. Recommendations of these experts will be followed with the approval of the appropriate land

management agency. Small mammal control will be allowed during the vegetation establishment period. Insect control will be allowed through the entire period if it is determined through consultation with the State Department of Agriculture or Cooperative Extension Service that the specific practice is being performed on adjacent unmined lands. (Documentation: The Wildlife Society, 1980, pp. 412-422; Vallentine, 1977, pp. 373-396)

IV. Wildfires and Other Disasters

Where planting in excess of the normally-allowed seeding and planting is necessitated by wildfire or another disaster that, in the Division's judgment, is not caused by any lack of planning, design, or implementation by the Operator, seeding and planting of up to the entire area significantly affected by the disaster will be allowed as an accepted husbandry practice. The extent of area where replanting may be performed will be determined by the Division. All normal standards for success will still apply, including the 80/60 rule for trees and shrubs in areas with forestry and wildlife postmining land uses..

V. Irrigation

Irrigation of transplants only, not general areas, is allowed for the first 20% of the liability period after they are first planted. This may be accomplished through such methods as drip irrigation or hand watering.

VI. Rill and Gully Repair

The repair of rills and gullies will not be considered an augmentative practice if the affected area comprises no more than 10% of the disturbed area for the first two years of the liability period and no continuous area to be repaired is larger than 1/2 acre. After the first two years but prior to the end of the vegetation establishment period no more than 1% of the disturbed area may be treated and no area treated may be larger than 1/2 acre without the practice being considered augmentative. The extent of the affected area will be as determined by the Division. The repair or treatment of rills and gullies will be considered augmentative which result from a deficient surface water control or grading plan as defined by the rill or gully reoccurrence.

VII. Removal of Sediment Ponds and other Siltation Structures

Removal and revegetation of areas on which sediment ponds and other siltation structures are located will not be considered an augmentative practice which restarts

the bond liability period for the area on which these structures are located. The area to be reseeded may not exceed 10% of the disturbed area, and the structures must be reseeded within the first 60% of the bond liability period. Otherwise, seeding these areas will be considered augmentative seeding that will restart the bond liability period. All applicable revegetation standards for success must still be met in the areas from which siltation structures are removed, including the 80/60 rule for trees and shrubs in areas with forestry and wildlife postmining land uses.

JUSTIFICATIONS FOR CHANGES TO R645-301-357.300, HUSBANDRY PRACTICES

INTRODUCTION

Some changes to the R645 rules are proposed which would allow certain husbandry practices to be performed on reclaimed areas without restarting the bond liability period. We recommend that a new appendix, Appendix C, be added to the "Vegetation Information Guidelines" and that this appendix be referenced in the rules in a manner similar to Appendix A for vegetation sampling techniques.

R645-301-357.300 states:

The Division may approve selective husbandry practices, such as weed and brush control, fencing, and water developments or other practices once they have been incorporated into the Utah program, in accordance with 30 CFR 732.17 as being normal husbandry practices, excluding augmented seeding, fertilization, or irrigation, without extending the period of responsibility for revegetation success and bond liability, if such practices can be expected to continue as part of the postmining land use or if discontinuance of the practices after the liability period expires will not reduce the probability of permanent revegetation success. Approved practices will be normal conservation practices within the region for unmined lands having land uses similar to the approved postmining land use of the disturbed area, including such practices as disease, pest, and vermin control; and any pruning, reseeding and/or transplanting specifically necessitated by such actions.

The preamble to the corresponding federal regulation, 30 CFR 816/817.116(c)(4), in FR Vol. 53, No. 173, includes statements indicating that some seeding and transplanting may be done *if approved as part of a state's program* without restarting the liability period. It appears from the preamble that absolutely no seeding or transplanting is allowed without restarting the bond liability period unless the seeding or transplanting is approved as part of a state's program. Under normal husbandry practices, the preamble says, "The approved practices cannot include augmented seeding, fertilization, or irrigation without extending the period of responsibility. However, seeding, fertilization, or irrigation performed at levels that do not exceed those normally applied in maintaining comparable unmined land in the surrounding areas would not be considered prohibited augmentative activities." The summary states, "This action will allow certain trees planted during the responsibility period to be counted in the measurement of revegetation success." In another location, the preamble says that the rules encourage "selective replanting of trees to ensure full stocking without weakening the basic requirement that reforestation success be based on the survival of the majority of the trees in the initial planting." Later, the preamble

gives the criteria that will be used in judging each state's proposals for normal husbandry practices. "The regulatory authority would be expected to demonstrate (1) that the practice is the usual or expected state, form, amount, or degree of management performed habitually or customarily to prevent exploitation, destruction, or neglect of the resource and maintain a prescribed level of use or productivity of similar unmined lands and (2) that the proposed practice is not an augmentative practice prohibited by section 515(b)(20) of [SMCRA] (52FR 28016)."

In accordance with these requirements, husbandry practices used in Utah have been reviewed to determine which should be allowed on reclaimed areas without restarting the bond liability period. Documentation has been included showing that these practices are normal husbandry practices for the region representing standard management tools and that the practices can either be expected to continue after bond release or that discontinuance will not reduce the probability of permanent revegetation success.

Revised R645-301-357.300 states:

The Division has approved selective husbandry practices and incorporated into the Utah program in accordance with 30 CFR 732.17 as being normal husbandry practices, excluding augmented seeding, fertilization, or irrigation without extending the period of responsibility for revegetation success and bond liability. These practices can be expected to continue as part of the postmining land use or discontinuance of the practices after the liability period expires will not reduce the probability of permanent revegetation success. Approved practices are normal conservation practices within the region for unmined lands having land uses similar to the approved postmining land use of the disturbed area. Approved husbandry practices are limited to those identified in the Division's "Vegetation Information Guidelines, Appendix C."

In the practices and justifications below, the phrase "vegetation establishment period" is defined as the first 60% of the bond liability period or until phase II bond release is granted, whichever ever comes first.

PROPOSAL

I. Seeding and Transplanting

Proposed Practice

Up to a total of 10% of a reclaimed area may be reseeded or planted during the first 20% of the liability period (one or two years) without restarting the period. After the first two years, no more than 1% of the reclaimed area could be reseeded in any single year without restarting the period, and no reseeded area could be larger than 1/2 acre. No seeding is allowed after the vegetation establishment period. Any seeding above this level would be considered "augmented seeding".

Trees or shrubs up to 20% of the required stocking rate may be planted through 60% of the bond liability period (either two or four years). If shrubs are to be established by seed, small areas must be scalped as described by Plummer et al., 1968, pp. 33-34. The number of scalped areas where the seed is planted may not exceed 20% of the required stocking rate.

This rule is comprehensive and, with the exception of siltation structure removal, applies to all approved husbandry practices where reseeded is necessitated by the practice. The 10% and 1% limits for areas that may be seeded apply to all practices combined. For example, seeding 1% of an area because of weed control and 1% of an area for rill and gully repair all in the fifth year of a ten-year liability period would not be allowed.

Justification

Soil Conservation Service Critical Area Planting specifications are to be used on highly erodible or critically eroding areas that usually cannot be stabilized by ordinary conservation treatment and management and if left untreated can cause severe erosion or sediment damage. Among the examples of these areas are denuded areas, cuts, fills, and mine sites. Therefore, revegetated areas without adequate vegetation to control erosion, whether the vegetation was absent or sparse, could be classified within these critical areas. The Soil Conservation Service also states in these specifications that provisions should be made for replanting or reseeded if necessary. Accordingly, reseeded some areas is considered a normal husbandry practice.

The SCS specifications do not state what would be considered a normal percentage of an area that might require reseeded, but it appears that any areas that do not contain adequate vegetation to control erosion should be treated with remedial measures.

The Division of Wildlife Resources also does not have a certain standard for determining when supplemental seeding would be done after the original seeding. Their policy is to check areas that were seeded and perform some reseeded if necessary.

The Bureau of Land Management policy (see BLM Manual) states that proper

maintenance of improvements, including seeding, reduces long-term costs. Maintenance is the timely repair of an improvement or treatment project to keep it in usable condition for the purpose intended over its normal expected lifespan. Repairs are to be performed as needed and are normally relatively minor compared to reconstruction (less than 50% of reconstruction costs). Listed among the treatments that may need maintenance are seedings.

Planting shrubs for wildlife use is also a standard practice (Plummer et al., 1968, pp. 31-35). Early range seeding efforts in Utah concentrated on grass establishment. Now, however, greater emphasis is being placed on having more browse species for wildlife use, and Wildlife Resources performs seeding and transplanting operations for this purpose.

If a seeding has failed in a *limited* part of a reclaimed site and if this failure is not due to problems with the grading plan or the soil that was used, reseeding that area early in the liability period should not affect the determination of whether or not vegetation meets the standards for success criteria. The approved practice allows small parts of the reclaimed area to be reseeded early in the liability period but does not allow large, continuous blocks to be reseeded.

The rules require that 80% of trees and shrubs used to determine stocking adequacy will have been in place for at least 60% of the applicable minimum period of responsibility. Therefore, the approved practice ensures that trees and shrubs have had a period in which to establish and allows a determination of permanence.

II. Weed Control and Associated Revegetation

Proposed Practice

Any revegetation necessitated by implementation of the following practices must be performed within the limitations of the seeding and transplanting restrictions given above. Weed control is allowed through the entire bond period for noxious weeds and through the first 20% of the liability period for other weeds.

1. Chemical weed control. Weed control through chemical means following the current Utah Weed Control Handbook and herbicide labels is allowed. (Documentation: BLM, 1991; Vallentine, 1977, pp. 105-141, 280; 1991 Utah Weed Control Handbook)
2. Mechanical weed control. Approved practices include hand-roguing or grubbing and mowing. (Documentation: BLM, 1991, and Vallentine, 1977,

p. 93)

3. Biological control. Selective grazing by domestic livestock is allowed. Biological control of weeds through disease, insects, or other biological weed control agents is allowed but must be approved on a case-by-case basis by, as appropriate, the Division, the Utah Department of Agriculture State Entomologist's Office, the Animal and Plant Health Inspection Service (APHIS) of the U. S. Department of Agriculture, and any other agency which may regulate the introduction or use of the control agent. (Documentation: Vallentine, 1977, pp. 56-65, and BLM, 1991)

Justification

The Utah Noxious Weed Act requires counties to attempt to eliminate noxious weeds. Larger infestations that create a public nuisance can be controlled by the county and charges billed to the land owner if the land owner is not willing to control the weeds himself.

Range improvements are made to improve range forage resources (plant species composition) or to facilitate their use by animals. This does not involve only strictly noxious weeds. Control of undesirable range plants is one direct method of developing and improving range forage resources (Vallentine, 1977, p. 1). The Public Rangelands Improvement Act of 1978 requires the Bureau of Land Management to manage, maintain, and improve public lands suitable for livestock grazing so that they become as productive as feasible. Weed control on public lands is directed by the Federal Noxious Weed Act of 1974 and the Carson-Foley Act of 1968. The Bureau of Land Management currently treats approximately 23,875 acres of land in Utah each year to promote desirable vegetation, and they have proposed that an additional 4575 acres be treated for this purpose each year (1989 Public Land Statistics, USDI, BLM, as cited in BLM, 1991). Among the treatments used and proposed are herbicide application, biological control, and manual and mechanical treatments.

In most areas, noxious weed control would be expected to continue after the bond liability period has ended. Control of other weeds would not be expected to continue, but controlling them during the first portion of the liability period should not reduce the probability of permanent revegetation success.

Seeding may sometimes be required after weed control to increase competition with undesirable species that may try to reinvade. When desirable plants are present in insufficient numbers to naturally reseed the area or where weed control kills most of the vegetation, reseeding is required (Vallentine, 1977, p. 198). Even though seeding following weed control may be a normal practice, the amount of seeding allowed needs

to be limited so that determination of the permanence of the vegetation can be made. Therefore, the limitations of the seeding and transplanting restrictions apply.

III. Control of Other Pests

Proposed Practice

1. Big game (deer, elk, and moose) control using fencing and barriers, repellents, and scaring during the vegetation establishment period. Approved methods are those contained on pages 430-431 of the Wildlife Management Techniques Manual and which are allowed by law and land management agency regulation. Techniques that fit in these general categories that are not specifically discussed in this manual would be considered on a case-by-case basis by the Division and the Division of Wildlife Resources. (Documentation: The Wildlife Society, 1980, pp. 430-431)
2. Small mammal and insect control will be allowed on a case-by-case basis after evaluation of the problem by Wildlife Resources and/or State Department of Agriculture personnel. Recommendations of these experts will be followed with the approval of the appropriate land management agency. Small mammal control will be allowed during the vegetation establishment period. Insect control will be allowed through the entire period if it is determined through consultation with the State Department of Agriculture or Cooperative Extension Service that the specific practice is being performed on adjacent unmined lands. (Documentation: The Wildlife Society, 1980, pp. 412-422; Vallentine, 1977, pp. 373-396)

Justification

Herbivores sometimes eat desirable vegetation that has been established on reclaimed sites. Limited insect control is sometimes performed on Utah rangelands, particularly for Mormon crickets and grasshoppers (Vallentine, 1977, pp. 392-396). Other insects may also cause problems, but outbreaks are sporadic. Whether or not insect control is initiated on rangelands depends on the type of problem and how serious it may be. However, some types of insect control would be expected to continue after bond is released and should be allowed through the entire bond liability period.

Depradation by big game and small mammals is common and may require control and remediation. These practices are performed on revegetated Utah

rangeland (Vallentine, 1977, pp. 373-392; The Wildlife Society, 1980, pp. 412-431; Plummer et al., 1968, pp. 50-51), but they would not be expected to continue after bond release. Therefore, the approved practice does not allow these control measures after the vegetation establishment period. This will allow vegetation to become well-established, but it will also allow a period where the vegetation is subjected to the same pressures as nearby unmined areas.

IV. Wildfires and Other Disasters

Proposed Practice

Where planting in excess of the normally-allowed seeding and planting is necessitated by wildfire or another disaster that, in the Division's judgment, is not caused by any lack of planning, design, or implementation by the Operator, seeding and planting of up to the entire area significantly affected by the disaster will be allowed as an accepted husbandry practice. The extent of area where replanting may be performed will be determined by the Division. All normal standards for success will still apply, including the 80/60 rule for trees and shrubs in areas with forestry and wildlife postmining land uses.

Justification

Wildfires and other disasters sometimes destroy vegetation and necessitate reseeding. Standard practice in Utah is to reseed as quickly as possible following fires (Plummer, 1968, p. 13). It is conceivable that an entire reclaimed area would need to be reseeded after a disaster, and this is allowed as a normal husbandry practice. Standards for success would not be changed, however. Because of the time requirements for the 80/60 rule (80% of shrubs and trees must have been in place for at least 60% of the liability period, see R645-301-356.232), this would usually mean a delay in bond release. If, in the Division's judgment, a disaster results from Operator negligence, planting will restart the liability period. Because the degree to which reclaimed areas are affected by a disaster will vary from one situation to another, the extent of planting allowed without restarting the liability period will need to be determined by the Division.

V. Irrigation

Proposed Practice

Irrigation of transplants only, not general areas, is allowed for the first 20% of the

liability period after they are first planted. This may be accomplished through such methods as drip irrigation or hand watering.

Justification

Range and forest lands in Utah are not usually managed intensively enough that it is economical to give supplemental irrigation on seeded areas; however, limited supplemental irrigation for transplants can be cost-effective. Where the soil moisture levels may be low, Forest Service policy is to perform limited irrigation of transplants in drastically disturbed sites, such as road cuts, and riparian areas as needed for up to the first two years after planting. In semiarid areas, supplemental water is provided to ensure plant survival during the first growing season (Ferguson and Frischknecht, 1981). Mine sites are critical areas similar to road cuts in that the soil has been disturbed and the soil moisture levels may be low. Many mines also contain riparian areas. Therefore, the approved practice allows for limited irrigation similar to what would be used by the Forest Service.

Other range management practices are used to increase water availability without adding water directly, but these should be incorporated into the initial grading and surface preparation plan and are not allowed after the bond liability period begins. Examples include contour furrowing, terracing or trenching, ripping, pitting, and waterspreading.

VI. Rill and Gully Repair

Proposed Practice

Since the treatment of rills and gullies should eliminate the rills and gullies, continued treatment of rills and gullies after the initial vegetative establishment period would be considered an augmentative practice. The repair of rills and gullies will not be considered an augmentative practice if the affected area comprises no more than 10% of the disturbed area for the first two years of the liability period. After the first two years but prior to the end of the vegetation establishment period no more than 1% of the disturbed area may be treated and no area may be larger than 1/2 acre without the practice being considered augmentative. The extent of the affected area will be as determined by the Division. The repair or treatment of rills and gullies will be considered augmentative which result form a deficient surface water control or grading plan as defined by the rill or gully reoccurrence.

Justification

In the coal mining region of Utah, the annual precipitation ranges from 26 inches at the highest elevations to five inches in the more arid regions. These low rainfall amounts coupled with the intense summer convection storms may result in rill and gully formation prior to the establishment of a permanent vegetative cover for any land use. The U.S.D.A. Soil Conservation Service in Utah has developed guidelines for the stabilizing of critical areas in a Critical Area Planting (CAP). The Interagency Forage and Conservation Planting Guide for Utah (1989), was developed in cooperation with the Utah Interagency Plant Materials Committee and includes guidelines for the stabilization of eroding soils. The Division has determined that the SCS critical area planting and the Conservation Planting Guide for Utah for treatment of stabilizing critical areas constitutes the treatment practice which is the usual degree of management customarily performed to prevent exploitation, destruction, or neglect of the soil resource and maintain the productivity of the land use. This treatment would not be prohibited as an augmentative practice because the SCS and the Interagency guidance is to normally treat erosion that may develop during the initial establishment of a permanent cover of vegetation on unmined lands in Utah.

Methods to be used in Utah for the treatment of rills and gullies will be based on a combination of treatment recommended in the CAP, Planting Guide for Utah, and as approved by the Division on a site specific basis. A generic guideline for the actual treatment of rills and gullies is not possible for the diversity of habitats in which Utah coal mines are located. However, the treatments will be selected from the guidelines cited above and may include: ripping the soil or other treatment to facilitate water infiltration and storage; filling and topsoiling of eroded area; installing structures; placing brush; seeding sod forming grasses, trees, or shrubs; and installing mulch and erosion control matting.

VII. Removal of Sediment Ponds and Other Siltation Structures

Proposed Practice

Removal and revegetation of areas on which sediment ponds and other siltation structures are located will not be considered an augmentative practice which restarts the bond liability period for the area on which these structures are located. The area to be reseeded may not exceed 10% of the disturbed area, and the structures must be reseeded within the first 60% of the bond liability period. Otherwise, seeding these areas will be considered augmentative seeding that will restart the bond liability period. All applicable revegetation standards for success must still be met in the areas from which siltation structures are removed, including the 80/60 rule for trees and shrubs in areas with forestry and wildlife postmining land uses.

Justification

R645-301-356.300 requires that siltation structures be maintained until removal is authorized by the Division and the disturbed area has been stabilized and revegetated. They may not be removed sooner than two years after the last augmented seeding. R645-301-356.400 states that the land on which the siltation structure was located must be revegetated in accordance with the performance standards. Therefore, removal of siltation structures and revegetation of the areas on which they were located is necessarily delayed at least two years following reclamation of an area.

The issue of restarting the bond liability period has been raised by amendments submitted by several states. Recently, Oklahoma submitted an amendment to its program where areas seeded to revegetate temporary ponds or diversions were excluded from the definition of augmentation. OSM originally agreed with the proposal but later withdrew its approval of this portion of the amendment. This was based on a May 6, 1984, preamble wherein an amendment proposed by Missouri was rejected.

The rejected Missouri proposal is different from that being proposed here. The Missouri proposal included provisions to grant Phase I bond release for roads, sediment ponds, diversions, and small stockpiles of soil and overburden associated with such areas when these areas had not actually been regraded. It also proposed that Phase II bond release could occur before sediment ponds and diversions were removed under certain conditions. It proposed that bond could be released before all of the activities for which bond was being held were completed.

The purpose of maintaining a siltation structure is to reduce sediment yields outside of the permit area. Seeding of the area on which a siltation structure was located is not augmentative because the purpose is not to augment vegetative cover. Rather, the purpose is to revegetate an area that was being used temporarily for sediment control. The need to revegetate an area where a siltation structure was located is not due to a deficient plan, soil or plant materials, or even from uncontrollable factors such as weather.

Even though reseeding the area where a siltation structure was located is not considered to be augmentative, seeding these areas too late in the bond liability period or seeding large proportions of the disturbed area could make it difficult to determine the effectiveness and permanence of the vegetative cover for the entire site. Therefore, the proposed rule includes provisions to limit the amount of area that can be seeded and how far into the bond liability period the seeding may be performed.

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Normal Husbandry Practices
July 12, 1993

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State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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July 12, 1993

TO: James W. Carter, Director
Lowell P. Braxton, Associate Director, Mining
Daron Haddock, Permit Supervisor

FROM: Pamela Grubaugh-Littig, Permit Supervisor *pgl*

RE: Status of Liability Insurance for Coal Operators

The updated liability insurance status report is enclosed.

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Enclosure
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LIABILITY INSURANCE FOR COAL MINES

As of July 1, 1993

Name of Project	Policy Number	Primary Insurance Company (Best's Rating) 1992	Effective Dates	"Accord" Form	XCU (Explosives)	Claims Made or Per Occurrence Retroactive Date	Cancellation Language	Certificate Holder (State of Utah- DOGM)
Valley Camp Coal Co. Belina Mines ACT/007/001	GLR989061	Home Indemnity Company (A-)	04/01/93- 04/01/94	Yes	Yes	Occurrence	Yes	Yes
Amax Coal Company Castle Gate Mine ACT/007/004	GL3259027	National Union Fire Ins. Co. of Pittsburgh, PA (A++)	04/01/92- 04/01/93	Yes	Yes	Claims Made 04/01/86	Yes	Yes
Coastal Corp. ETAL Skyline Mine/Eccles Cyn ACT/007/005	MCO01172	Fidelity & Casualty Co. of N.Y. (A-)	12/31/92- 12/31/93	Yes	Yes	Occurrence	Yes	Yes
Cyprus Minerals Co. and its subsidiary Co. Star Point ACT/007/006	RMGL3264828	National Union Fire Insurance Company (A++)	07/01/93- 07/01/94	Yes	Yes	Claims Made 07/01/89	Yes	Yes
Sunnyside Coal Company Sunnyside Mines ACT/007/007	ML14823	Old Republic Insurance Company (A)	12/22/92- 12/22/93	Yes	Yes	Occurrence	Yes	Yes
U. S. Fuel Co. King Mines #4, 5 & 6 ACT/007/011	GL NGA1498686-01	Planet Insurance Co. (A-)	04/01/93- 04/01/94	Yes	Yes	Occurrence	Yes	Yes
Nevada Electric Investmt Genwal Coal Co. Castle Valley Resources Wellington Prep. ACT/007/012	3710-3989	Federal Insurance Company (A++)	01/01/93- 01/01/94	Yes	Yes	Occurrence	Yes	Yes

LIABILITY INSURANCE FOR COAL MINES

As of July 1, 1993

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Intermountain Power Agency Horse Canyon ACT/007/013	XO 416A1A91	Associated Electric and Gas Insurance Services Limited	7/31/92- 7/31/93	No	Yes	Claims Made 06/09/86	Yes	Yes
Mountain Coal Co. Gordon Creek #2, #7 & #8 ACT/007/016	ISL GI 519134-A	Insurance Company of North America (A-)	01/01/93- 01/01/96	Yes	Yes	Occurrence	Yes	Yes
Mountain Coal Co. Gordon Creek #3 & #6 ACT/007/017	ISL GI 519134-A	Insurance Company of North America (A-)	01/01/93- 01/01/96	Yes	Yes	Occurrence	Yes	Yes
Sun Co. & Affiliates Incl: Soldier Creek Coal Soldier Canyon ACT/007/018	TLUSLG-186T908- A-91	Travelers Indemnity Co. (A-)	01/01/91- Until Cancelled	Yes	Yes	Not Stated	Yes	Yes
Andalex Resources Centennial Mine ACT/007/019	3710-25-94	Federal Insurance Co. (A++)	07/01/93- 07/01/94	Yes	Yes	Occurrence	Yes	Yes
No. American Equities Bazon #1 ACT/007/021	MXC-802-39-441	Fireman's Fund Ins. Co. (A) Expired NOT RENEWED	11/22/90- 11/22/91	Yes	No	Occurrence	Yes (30 Days)	Yes
Mountain Coal Co. C. V. Spur ACT/007/022	ISL GI 519134-A	Insurance Company of North America (A-)	01/01/93- 01/01/96	Yes	Yes	Occurrence	Yes	Yes
Andalex Resources, Inc Wildcat Loadout ACT/007/033	3710-25-94	Federal Insurance Co. (A++)	07/01/93- 07/02/94	Yes	Yes	Occurrence	Yes	Yes

LIABILITY INSURANCE FOR COAL MINES

As of July 1, 1993

Name of Project	Policy Number	Primary Insurance Company (Best's Rating) 1992	Effective Dates	"Accord" Form	XCU (Explosives)	Claims Made or Per Occurrence Retroactive Date	Cancellation Language	Certificate Holder (State of Utah- DOGM)
Sun Co. and Affiliates Soldier Creek Coal Co. Banning Loadout ACT/007/034	TLJSLG-186T908- A-91	Travelers Indemnity Co. (A-)	01/01/91- Until Cancelled	Yes	Yes	Not Stated	Yes	Yes
(Savage Coal Service Contractor)	GL5407160RA	National Union Fire Insurance Co. (A + +)	01/01/89- Until Cancelled					
Sunnyside Cogeneration Associates Environmental Power Corp. Sunnyside Refuse & Slurry ACT/007/035	3710-13-49	Federal Insurance Co. (A + +)	04/01/91- 08/31/93	Yes		Occurrence		
Western States Minerals J. B. King ACT/015/002	SI 1652592	Reliance Insurance Company (A-)	04/01/93- 04/01/94	Yes	No	Occurrence	No	Yes
Mountain Coal Co. Huntington #4 ACT/015/004	ISL GI 519134-A	Insurance Company of North America (A-)	01/01/93- 01/01/96	Yes	Yes	Occurrence	Yes	Yes
CalMat Co. Hidden Valley Coal Co. Hidden Valley Mine ACT/015/007	NH 960 7996	Industrial Indemnity Co. (A +)	07/01/93- 07/01/94	Yes	N/A	Occurrence	Yes	Yes
PacificCorp Trail Mountain Mine ACT/015/009	X0296A1A91	Associated Electric and Gas Insurance Services Limited	02/24/93- 02/24/94	Yes	Yes	Occurrence	Yes	Yes

LIABILITY INSURANCE FOR COAL MINES

As of July 1, 1993

Name of Project	Policy Number	Primary Insurance Company (Best's Rating) 1992	Effective Dates	"Accord" Form	XCU (Explosives)	Claims Made or Per Occurrence Retroactive Date	Cancellation Language	Certificate Holder (State of Utah- DOGM)
Consolidation Coal Co. Emery Mine ACT/01/5/015	3YL 945 4444	Lumbermens Mutual Casualty (A)	01/01/93- 01/01/94	Yes	Yes	Occurrence	Yes	Yes
PacificCorp Des-Bee-Dove Mine ACT/01/5/017	X0296A1A91	Associated Electric and Gas Insurance Services Limited	02/24/93- 02/24/94	Yes	Yes	Claims Made 12/24/86	Yes	Yes
PacificCorp Deer Creek Mine ACT/01/5/018	X0296A1A91	Associated Electric and Gas Insurance Services Limited	02/24/93- 02/24/94	Yes	Yes	Claims Made 12/24/86	Yes	Yes
PacificCorp Cottonwood/Wilberg Mine ACT/01/5/019	X0296A1A91	Associated Electric and Gas Insurance Services Limited	02/24/93- 02/24/94	Yes	Yes	Claims Made 12/24/86	Yes	Yes
Co-Op Mining Co. Trail Canyon Mine ACT/01/5/021	GLM-10088	Homestead Insurance Co. (A)	01/01/93- 01/01/94	Yes	Yes	Occurrence	Yes	Yes
Co-Op Mining Co. Bear Canyon Mine ACT/01/5/025	LM-10088	Homestead Insurance Co. (A)	01/01/93- 01/01/94	Yes	Yes	Occurrence	Yes	Yes
Nevada Electric Investmt and its subsidiaries Crandall Canyon Mine ACT/01/5/032	3710-3989	Federal Insurance Company (Chubb Group) (A + +)	01/01/93- 01/01/94	Yes	Yes	Occurrence	Yes	Yes
New Tech Mining Co. Black Jack #1 ABD/019/004	NO INSURANCE	(Permit Revoked)		No				

LIABILITY INSURANCE FOR COAL MINES

As of July 1, 1993

Name of Project	Policy Number	Primary Insurance Company (Best's Rating) 1992	Effective Dates	"Accord" Form	XCU (Explosives)	Claims Made or Per Occurrence Retroactive Date	Cancellation Language	Certificate Holder (State of Utah- DOGM)
Andalex Resources Inc. Smokey Hollow PRO/025/002	3710-25-94	Federal Insurance Co. (A + +)	07/01/92- 07/01/93	Yes	Yes	Occurrence	Yes	Yes
Utah International Inc. Alton Mine PRO/025/003	CCP-0016-0207	Transportation Insurance Company (A +)	04/02/87- Until Cancelled	No				
Coastal Corp, Etal c/o Energy Insurance Int'l Convulsion Canyon ACT/041/002	ZY51785	Old Republic Ins. Co. (A)	12/31/92- 12/31/93	Yes	Yes	Occurrence	No	Yes
BHP Petroleum (Amer) Inc c/o BHP-Utah International Knight Mine ACT/041/005	HCO95991	Lloyds of London	11/13/92- 11/13/93	Yes	N/A	Occurrence	Yes	Yes
Summit Minerals, Inc. Summit #1 Mine REV/043/001	NO INSURANCE	(Permit Denied)		No				
Summit Coal Co. Boyer Mine ACT/043/008	GLP (89) 73164357	Federal Insurance Company (A + +) (Permit Revoked)	Bankrupt	No				

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Garfield Coal Corp.

July 13, 1993

TO: Lowell P. Braxton, Associate Director

FROM: Pamela Grubaugh-Littig, Permit Supervisor *pgl*

RE: Tentative "A" Team Permitting Schedule

Major permitting actions for the "A" Team are two permanent program permits, two major five-year permit renewals (ongoing review of resubmitted plan), three mid-terms, five coal lease tracts, and three reclamation reviews. The major permitting actions are:

PERMANENT PROGRAM PERMIT ISSUANCE

Garfield Coal Company

*	Met with Representatives for Mapping	04/29/92
*	Met with Hydrologist on Project	05/12/92
*	Met with Soils Representative	09/92
*	Met with Hydrologist Re: PHC	11/19/92
*	Met with Patrick Collins	12/10/92
*	Update Letter to Director	12/23/92
*	Submitted to Division	07/01/93

Sunnyside Cogeneration Associates (Environmental Power Corporation)

*	Permit Transfer with PAP submittal	08/20/92
*	Letter Sent to EPC Stating Need Separate Permit	09/10/92
*	Clarification of Mining and AML Fees (Letter Sent)	09/21/92
*	Completeness Issues Letter Sent	10/21/92
*	Meeting with SCA Consultants	10/22/92
*	Completeness Issues Response	10/27/92
*	Determination of Completeness	10/28/92

PERMANENT PROGRAM PERMIT ISSUANCE (Continued)

Sunnyside Cogeneration Associates (Continued)

* TD Issued	11/25/92
* Applicant Response	12/03/92
* Meeting with Applicant, Attorneys & Consultants	12/18/92
* Deficiency Response	01/08/93
* Permit Issued with 20 Conditions	02/04/93
* First Conditions Submitted (#6, #17 & #18)	03/05/93
* Condition #1 (NOV N93-40-4-1 Issued)	05/06/93

FIVE-YEAR RENEWALS

Co-Op Mining Company: Bear Canyon Mine

* Operator Submits Five-Year Renewal Application	07/13/90
* Division Issues Determination of Completeness	09/01/90
* Technical Deficiency Sent to Operator	09/19/90
* Formal Protest to Five-Year Renewal; Request for Informal Hearing	10/10/90
* Operator Response	10/19/90; 10/22/90; 10/31/90
* CO #C90-26-1-1 Issued Due to Publication Problems	11/02/90
* NOV #N90-34-1-1 Issued Due to Need for Updating Maps in Plan	11/26/90
* Division Order Issued Requesting 18 Permit Changes	11/27/90
* Operator Submits Partial Response to Division Order	01/21/91
* Operator Submits New Maps	02/25/91
* Inadequacy of Maps Informally Given to Operator	03/21/91
* Operator Submits Revised Maps	04/08/91; 04/22/91
* Operator Submits Partial Response to Division Order (NOV #N91-20-1-1)	04/24/91
* Hindrance Violation Issued Due to Failure to Submit All Information to Division Order	04/26/91
* Updated Maps and Plans Submitted	05/03/91; 05/17/91

FIVE-YEAR RENEWALS (Continued)

Co-Op Mining Company: Bear Canyon Mine (Continued)

* Permit Renewed	05/20/91
* More Information Re: The Division Order is Submitted by Operator	05/24/91
* Technical Review of Division Order Completed (NOV Terminated)	09/03/91
* More Division Order Information Submitted	12/30/91
* Complete Reclamation of Highwall Approved	05/03/92
* Hydrogeologic Information Submitted	07/31/92
* Division Letter Sent Stating Revised PHC Required	08/04/92
* Revised PHC Submitted	08/17/92
* Revised PHC Resubmitted	09/17/92
* Meeting with Operator re: Deficiencies	11/13/92
* Response Received	12/11/92
* PHC Technical Review Sent	03/04/93
* PHC Response Received	04/27/93
* CHIA Revised	08/93

Sunnyside Coal Company: Sunnyside Mine

* Operator Submits Five-Year Renewal Application in New Format	10/09/90
* Division Issues Completeness	11/20/90
* Permit Successively Renewed	01/20/91
* Overall Field Review	07/10/91
* Division Continues Review of New Format Application	12/91
* Completeness Document Sent	02/07/92
* Operator Response Due	03/31/92
* Extension Granted for Submittal	07/06/92; 09/01/92; 10/01/92; 12/01/92
* Final Extension Granted to Operator Submitted	02/15/93 (Holiday) 02/16/93
* NOV #N93-32-2-5 Modified	05/12/93
* Base Maps-New Aerial Survey	08/26/93

FIVE-YEAR RENEWALS (Continued)

PacifiCorp: Deer Creek Mine

- * Operator Submits Five-Year Renewal
Application in New Format 10/09/90
- * Division Issues Completeness on Old Application 12/07/90
- * Permit Successively Renewed on Old Application 02/07/91
- * Operator Submitted Updated Legal & Financial Information 01/15/92
- * Operator Submits "Rosetta Stone" to Decipher
Approved Plan to Reformatted Plan 03/16/92
- * Review Sent 04/15/92
- * Meeting on Plan 06/17/92
- * Second Meeting on Plan 08/13/92
- * Team Review of Updates Approved 09/11/92
- * Midterm Review 07/15/93

Andalex Resources: Wildcat Loadout

- * Submittal Due 01/05/94

Co-Op Mining Company: Trail Canyon Mine

- * Submittal Due 01/26/94

PacifiCorp: Cottonwood/Wilberg Mine

- * Submittal Due 03/06/94

Mountain Coal Company: C.V. Spur Mine

- * Submittal Due 04/07/94

Mountain Coal Company: Gordon Creek #2, #7 & #8 Mine

- * Submittal Due 04/28/94

MID-TERM REVIEWS

- * Wildcat Loadout - Begin July 1991
Letter Sent 09/16/91 to Commence Mid-Term
Completed December 4, 1991
- * C.V. Spur - Begin September 1991
Letter Sent 09/17/91 to Commence Mid-Term
Letter Sent 02/04/92
Response Received 04/15/92
Review Sent 06/08/92
Response Due 06/25/92
Completed 06/30/92
- * Cottonwood/Wilberg - Begin September 1991
Letter Sent 09/17/91 to Commence Mid-Term
Letter Sent 02/04/92
Response Due 03/06/92 (Extended to 03/20/92)
Received 03/25/92
Review Sent 08/01/92
Response 10/15/92 and 12/11/92
Approved 01/07/93
- * Gordon Creek #2, #7 & #8 - Done 02/26/92
- * Trail Mountain - Letter Sent August 21, 1992
Due October 1, 1992
Extended to 10/30/92
Response Received 10/30/92
Review Sent 12/07/92
Response Received 01/07/93
Completed 02/09/93
- * Deer Creek - Begin May 1993
Due July 1993
- * Des-Bee-Dove - Sent March 1, 1993
Done April 8, 1993
- * Bear Canyon - July 1993
- * Sunnyside Mine - July 1993

LEASE TRACTS

Bear Canyon Lease Tract

*	Division Received	12/21/89
*	Initial Completeness Review Issued to Operator	03/01/90
*	Other Agency Comments Sent to Operator	06/11/90
*	Operator Response	07/13/90
*	Determined Complete	09/25/90
*	Technical Deficiency Sent to Operator	12/04/90
*	Partial Operator Response	01/02/91
*	Informal Hearing	02/05/91
*	Response to Informal Hearing	05/20/91
*	Resubmitted Copies for Other Agencies	01/04/93
*	Sent to Other Agencies	01/12/93
*	Review From Other Agencies Due	02/19/93
*	Send Division Technical Deficiencies	04/30/93
*	**Technical Analysis	
*	Document Sent to Washington	
*	State Permit Issued	

** Co-Op Mining Company drilled underground monitoring three (3) holes. Consultant report forthcoming. The Federal Lease Tract Addition is delayed indefinitely. Sent letter 08/04/92 stating that Federal Lease Tract cannot be considered until revised PHC submitted and reviewed. Revised PHC Submitted 09/17/92. Letter sent 10/5/92 regarding updated copies needed for agencies. Updated copies received 1/5/93, transmitted to agencies 1/12/93.

Rilda Canyon: Deer Creek Mine

*	Division Received	02/12/90
*	Initial Completeness Review (with other agency comments)	05/23/90
*	Partial Operator Response (hydro missing)	10/15/90
*	PHC Information Sent	05/01/91
*	Second Operator Response Sent to Division	12/26/91
*	PHC Review Sent to Operator	02/10/92
*	PHC Partial Operator Response	02/26/92
*	Update Request of Plan Sent	03/06/92
*	Operator Response (PHC)	03/25/92
*	Division PHC Review Sent	05/15/92
*	Operator Response (PHC)	07/15/92
*	Division Concern Letter Sent	07/22/92

LEASE TRACTS (Continued)

Rilda Canyon: Deer Creek Mine (Continued)

*	IBC Submitted	09/18/92
*	IBC Info Sent to OSM, Denver	11/04/92
*	IBC Approved	01/06/93
*	2nd IBC Submitted	04/14/93
*	2nd IBC Sent to Denver	06/14/93
*	Operator Submits More Information	08/93
*	Completeness Review	10/93
*	Determine Complete	12/93
*	Technical Analysis	01/94
*	Send to Washington	03/94
*	State Permit Issued	04/94

Castle Valley Ridge Lease Tract: Star Point Mine

*	Division Receives	09/17/91
*	Division Reviews for Completeness	
	Issues ICR/TD	05/20/92
*	PHC Update Submitted	05/15/92
*	Division Review of PHC Sent	08/04/92
*	Determined Not Complete Letter Sent	08/14/92
*	PHC Review Response Received	09/28/92
*	PHC Review Sent	12/03/92
*	PHC Response Received	01/15/93
*	Determined Complete	03/01/93
*	PHC Division Review Sent	03/24/93
*	Informal Conference Scheduled, then Postponed	06/03/93
*	3rd IBC Submitted	06/07/93
*	Technical Analysis	02/94
*	Send to Washington	06/94
*	State Permit Issued	08/94

Sunnyside Coal Company - "B" and "C" Canyon

*	Sunnyside Mine Reps Met with Division	03/25/92
	Re: Permitting (Met w/Bob Burnham)	05/07/92
*	Division Receives	

LEASE TRACTS (Continued)

Horse Canyon: South Lease

- | | | |
|---|---|----------|
| * | Meeting to Discuss Permitting | 02/04/93 |
| * | Baseline Water Monitoring & Exploration Meeting | 03/15/93 |
| * | Exploration Application Received | 06/23/93 |
| * | Submit Application | 09/93 |

RECLAMATION REVIEW - Work To Be Done

- * Gordon Creek #2, #7, & #8 - Closed November 1, 1990.
Partially Reclaimed 1991.
Highwall Review Meeting Held 02/25/92.
Resubmitted Highwall & Reclamation
Information 05/07/92.
NOV #N92-20-1-1 Issued 06/15/92 Due to Lack
of Information in Plan.
Meeting with Dan Guy, Scot Anderson (Arco
Legal Counsel) on 06/25/92.
Abatement Date 06/29/92.
Informal Hearing Held 07/14/92. Division Order
92-A (Review Comments) Sent 07/27/92.
Agreement Letter of Schedule Sent to Scott
Anderson 08/17/92. Approval of Highwalls
09/10/92. Some Reclamation Work Done in
1992, Balance in 1993.
Reclamation Resubmittal Received 02/01/93.
ICR & TD Review Sent 03/17/93.
Meeting on 04/01/93.
Deficiency Response Received 05/10/93.
Deficiency Letter Sent 06/09/93, Due 06/30/93.

Page 9
Tentative Schedule
"A" Team
July 13, 1993

RECLAMATION REVIEW - Work To Be Done (Continued)

- * J.B. King
 - Three NOVs Written and Upheld by Director, Numerous Exchanges.
Reclamation Plan Justifying Doing Nothing Submitted 09/15/92.
Meeting with Dianne 10/23/92.
Memos to Dianne & Lowell 11/12/92,
Re: Abatement Plan Deficiencies.
Letter Sent 12/07/92; Violation Modified.
Response Received 01/21/93.
PGL Memo to Lowell 04/14/93.
NOVs Extended to 05/28/93, One Extended to 07/06/93 and the Other to 07/30/93.

- * Hidden Valley
 - Division Upheld NOV N91-26-8-2.
Board Upheld 07/30/92.
Third District Upheld 11/05/92.
Appealed to Supreme Court 01/93.
Need to Implement Abatement Plan By 02/20/93
(Vegetation) and 04/01/93 (Erosion Control)
(In construction)
In Court

jbe
cc: Joe Helfrich
Daron Haddock
A:\PERMSCHE.MEM



Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

State of Utah
DEPARTMENT OF NATURAL RESOURCES
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File

August 6, 1993

TO: Division Technical Staff

FROM: Lowell Braxton, Associate Director, Mining *LB*
Tom Munson, Senior Reclamation Specialist *TM*

RE: Erosion Control Condition Classification System (ECCS) and Phase II Bond Release Criteria

Those of you that attended the Division Spring field trip, will recall that feed back on your experience with the Erosion Condition Classification System (ECCS) used at the Horse Canyon Mine was to be solicited following the trip. Tom Munson has organized this memo into two sections, one dealing with the ECCS and one dealing with final bond release at reclaimed mine sites. The two issues are interrelated and it is a good time to present both for input. To facilitate your response, some up-front information related to both issues is presented in this memo. You can provide a brief or lengthy response whatever you chose for each question or even discuss related issues which have not been identified in this memo in your response. Thank you for input in advance, everyone involved will get a copy of the final summary of comments or inputs. This effort will benefit all who are involved by bringing science and regulation closer together. For those of you that are not in the Coal Regulatory Program, your feedback on the ECCS will still be valuable.

Please write handwritten responses on this questionnaire in the space provided, or reference your responses to the questions in this questionnaire. Return all responses to Tom Munson by August 18.

Questions Regarding ECCS

1. Do you think the ECCS is applicable on reclaimed lands? Please describe advantages and shortfalls.



2. How could we make it more applicable to the Coal Program and to the assessment of reclamation?
3. For persons with a natural sciences background and mined land reclamation experience, is the terminology used in ECCS inappropriate or difficult to follow? How could we change it to make it more understandable and applicable to areas disturbed by mining in Utah? (Note: See other example work sheets in your handouts.)
4. Is the Soil Surface Factor (SSF) a good way to do things? In other words, is the use of categories and tallying of SSF numbers to gain a numerical stability rating a reasonable and fair way to gain consistency among reviewers? Would a similar numerical stability rating with more meaningful terminology work as well?
5. How could the ECCS be changed or simplified to better represent the soil conditions found on reclaimed sites related to stability?

6. In the Title V Program, stability is a gauge by which the bond release rules operate and it seems very appropriate that we attempt to gauge erosion based on stability of the site. How might we do this by monitoring reclaimed sites? We are also responsible to address water quality issues in terms of off site impacts. How do these two issues tie together or don't they? Does the Title V Program need a definition of stability or a policy that allows a uniform approach to determining stability in the regulatory framework? If yes, please provide examples of direction that might be taken towards a definition.

Bond Release Questions Regarding Water Quality

Examples of Current Studies Related to Bond Release, Erosion, and Water Quality

Horse Canyon

Soil Stability

A series of transects are being set up to compare well vegetated areas with poor or marginally vegetated areas of the same aspect, slope, and soil type using photographic surveys, as well as, physical measurements for erosion, and will be kept in a dedicated notebook. The purpose of the study is to determine if the stability trend of the poor areas is towards the "well vegetated stable areas." A determination can then be made regarding the poor sites trend towards stability.

Surface Water Quality and Bond Release

Types of Monitoring

1. The use of low flow samplers to draw comparisons of water quality between natural unreclaimed ground and reclaimed sites.
2. The computer model SEDCAD+ utilizing the RUSLE option is being used to define water quality impacts from disturbed and undisturbed watershed areas using sediment ponds or silt fences for a sediment control.

The only measured parameters are particle size and vegetative cover. (Note: Yes, we still use silt fences to treat water quality when they cannot and would not achieve their intended purpose on reclaimed sites draining ephemeral drainage. Ephemeral drainage is a unique system and it is understood that a different set of criteria would have to apply in a perennial drainage system where water quality is affected by sediment inputs and their impacts on aquatic life.

The threshold particle size for silt fences is the No. 200 sieve (i.e. 85% of the soils less than .0029 in.). [Note: Most of the particles in such a soil would not be retained in the Equivalent Opening Size (EOS) of the silt fence if it were too large, and would clog the fabric quickly if the EOS were small enough to capture the soil.] The sediment driven water quality of all ephemeral drainage areas hinges on sediment load where (sediment loads times sediment size) varies as (stream slope times stream discharge) determining degradation or aggradation of sediment. Refer to Lane's theory in your handout. In enforcing the rules, we should be more interested in protecting our topsoil resource and keeping it within the disturbed area. Science? We need data to take us out of the realm of conjecture into the realm of science and not operate out of fear of complying with the rules. Our goal should be to provide the physical mechanisms for settlement and deposition of sediment and not let the protection of surface water quality be the driving force when dealing with ephemeral sediment driven systems.

Underground Water Quality Following Mining

Data is being collected from old workings at the PacifiCorp Mines, data exists from Horse Canyon on underground water quality. Many mines have abandoned long wall or room and pillar areas where monitoring can occur. Do we have this data or should we collect more data? Are we making the necessary assessment related to impacts following mining in our CHIAs?

Other States Phase II Bond Release Criteria

Colorado - Two mines have applied for releases, one was for a sediment pond, one was a Phase II using ECCS and SEDCAD + , said AFO is waffling on SEDCAD + 's applicability and ECCS, probably wouldn't be used again.

Wyoming - Jacob's Ranch reclaimed in 1979, no pond, weak criteria due to age of site. No other mines have attained Phase II, no guidelines in place or set up to define Phase II or Husbandry.

Montana - Small watershed studies, measuring (total sediment load) by using a slot in an H Flume (Coshocton sampler measuring bedload and suspended load). Some mines set up on continuous samplers. Many mines are located in ephemeral drainage areas. Some discussion of nondegradation criteria (upstream - downstream), nothing written but data is being collected. Random scattered approach that is not well organized yet, but are moving in that direction. Appeared to have put some thought into what might be required but have nothing formalized.

7. What kind of water quality data exists and if it doesn't exist how can we collected water quality data from reclaimed mine sites? How can that data be used to demonstrate impacts to water quality, (i.e. stability of topsoil, minimized erosion, and prevention of additional contributions of suspended sediments)?

8. What other means are available to define and monitor potential impacts from reclaimed sites related to water quality, stability, and erosion?

9. The issue of water quality also ties into underground water quality following mining in terms of impacts to ground and surface water quality. Does AML have portal discharge water quality data from coal mines? If so, please give Tom Munson an overview of results.

Summary

The purpose of this memo is to provide a forum or a basis to initiate a comprehensive policy defining final bond release criteria. Such a policy will facilitate stability and water quality determinations during inspection of reclaimed sites prior to final bond release. Please send your comments to Tom Munson by August 18, 1993, at the latest. Thank you (in advance) for your responses to this questionnaire.

vb
ECCS



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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TO: File

FROM: Daron Haddock, Permit Supervisor *DH*
Pam Grubaugh-Littig, Permit Supervisor *PL*
Randy Harden, Senior Reclamation Engineer *RH*
Jesse Kelley, Reclamation Engineer *JK*
Wayne H. Western, Reclamation Engineer *WHW*

DATE: August 9, 1993

SUBJECT: Regional Adjustments for Reclamation Bonds

Genwal Coal Company has requested that labor costs associated with the reclamation bond be modified to reflect the current labor rates in the Carbon and Emery counties. On August 3, 1993 Daron Haddock, Pam Grubaugh-Littig, Randy Harden, Jesse Kelley and Wayne Western met to discuss what regional labor rate adjustments should be made.

Genwal Coal Company wants to define region on a county basis. Carbon and Emery counties currently have depressed economies and wage rates are 50 to 60% of the national average as determined by Means, whereas wage rates in Salt Lake County are within a few dollars of the national average.

Genwal wants the Division to use the prevailing rate in Carbon and Emery counties. By using the lower rates Genwal can significantly reduce their reclamation bond amount.

The Division does not want to use wage rates for a depressed economic region. When the economy of Carbon and Emery counties improve, then wage rates will increase and so will reclamation costs. If costs exceed the reclamation bond amount then the Division will not be able to complete the work. While a sudden improvement in the Carbon and Emery counties economy is unlikely, should reclamation work occur five to seven years from now the local economy could have improved.

The Division wants to use the national average for wage rate. The national average protects the Division from rapid price fluctuations caused by local economic conditions.

If the Division does allow regional cost adjustments then they should include all area that have the potential to supply contractors. That region should include Salt Lake County and maybe the Rocky Mountain area.

BONDADJ.WHW





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August 16, 1993

Ms. Julie Jordan
Mineland Reclamation Specialist
State of Minnesota Department of Natural Resources
1525 3rd Avenue East
Hibbing, Minnesota 88746-1461

Dear Ms. Jordan:

Re: Questionnaire Response Regarding Financial Assurance in Mined Land Reclamation

Enclosed please find informal comments from the Division in regards to financial assurances for reclamation. If you have any other questions, please feel free to call me.

Sincerely,

Pamela Grubaugh-Littig
Permit Supervisor

pgl
Enclosure





State of Utah

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August 17, 1993

Mr. Arnold Korinek
R.R. 1, Box 103
Oswego, Kansas 67356-9740

Dear Mr. Korinek:

As a geologist I can appreciate your interest in the earth, its structure and composition. Even though there are basic concepts that tie the geologic record together on a global scale, each location has unique features that make it interesting and sometimes a challenge to understand. Geology in Utah is particularly interesting because Utah straddles three geologic provinces: the Rocky Mountains, the Colorado Plateau, and the Basin and Range, and because a wide variety of the geologic features are exposed at the surface.

Your letter was forwarded to Salt Lake City from the Division of Oil, Gas, and Mining (DOGM) Price Field Office and Lowell Braxton, Assistant Director of DOGM, asked me to reply. I have enclosed merely a sampling of stratigraphic sections that are published, from geologic guidebooks and from "Geologic History of Utah" by Lehi F. Hintze (published as BYU Geology Studies, Volume 20, Part 3). Dr. Hintze's book is out of print but a copy might be available for your use through a university or local library.

Another book that I recommend is "Geologic Atlas of the Rocky Mountain Region", published in 1972 by the Rocky Mountain Association of Geologists in Denver, Colorado. This is a very large, folio type book and I have not even attempted to make copies from it. Again, check with a library for a copy.

However, DOGM deals mainly with regulatory issues and has limited information of the type you asked for; in particular I couldn't locate any drillers logs that showed the crystalline basement rocks. Therefore I am forwarding your letter to Ms. Chris Wilkerson, Public Information Geologist with the Utah Geological Survey. I am sure she will be able to provide additional information in answer to your request.

Thank you for your letter. It is always encouraging to hear from people who share an interest geology.

Sincerely,

James D. Smith
Reclamation Specialist - Geology

cc: Chris Wilkerson, UGS
Enclosures





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Division Director

State of Utah

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August 17, 1993
REVISED SCHEDULE

Mr. Steve Rathbun
Inspection and Enforcement
Office of Surface Mining
505 Marquette N.W., Suite 1200
Albuquerque, New Mexico 87102

Dear Mr. Rathbun:

Re: Inspection Schedule for July, August and September 1993

The Division's tentative mine inspection schedule for the months of July, August, and September 1993, is enumerated below:

Week of July 5-9, 1993

Steve Demczak	Blackhawk Exploration	(E)
	Centennial Project	(C)
Bill Malencik	Des-Bee-Dove	(C)
	Trail Canyon	(P)

Week of July 12-16, 1993

Steve Demczak	Belina Complex	(C)
	Skyline	(P)
Paul Baker	Castle Gate	(P)
	Knight	(C)
Wayne Western	Convulsion Canyon	(P)
Tom Munson	Wildcat Loadout	(P)
	Gordon Creek #2, #7 & #8	(P)
Hugh Klein	Sunnyside Cogeneration	(C)
Bill Malencik	C.V. Spur	(C)
	Huntington #4	(P)



Page 2
Inspection Schedule
July-September 1993
August 17, 1993

Week of July 19-22, 1993

Steve Demczak	Hiawatha	(P)
	Banning Loadout	(P)
Sharon Falvey	Soldier Canyon	(P)
Jim Smith	Crandall Canyon	(P)
Jess Kelley	Trail Mountain	(P)
Bill Malencik	Cottonwood/Wilberg	(C)
	Sunnyside	(P)
	Deer Creek	(P)

Week of July 26-30, 1993

Steve Demczak	Wellington Prep	(P)
	Emery Deep	(P)
Randy Harden	Blazon #1	(P)
	Boyer	(P)
	Summit Minerals	(P)
Henry Sauer	Star Point	(P)
	Horse Canyon	(P)
Susan White	Gordon Creek #3 & #6	(P)
	Bear Canyon	(C)
Bill Malencik	Hidden Valley	(C)
	J.B. King	(P)

Week of August 2-6, 1993

Steve Demczak	Hiawatha	(C)
	Centennial Project	(P)
Susan White	Trail Canyon	(C)
	Bear Canyon	(P)
Bill Malencik	Gordon Creek #3 & #6	(P)
	Huntington #4	(P)

Page 3
Inspection Schedule
July-September 1993
August 17, 1993

Week of August 9-13, 1993

Steve Demczak	Wellington Prep	(C)
	Emery Deep	(C)
Wayne Western	Convulsion Canyon	(C)
Tom Munson/B. Malencik	J.B. King	(C)
	Hidden Valley	(C)
Bill Malencik	Wildcat Loadout	(P)
	Gordon Creek #2, #7 & #8	(P)
Hugh Klein	Trail Mountain	(C)
Bill Malencik	Star Point	(C)

Week of August 16-20, 1993

Steve Demczak	Skyline	(C)
	Blackhawk Exploration	(E)
Jim Smith	Crandall Canyon	(P)
Sharon Falvey	Soldier Canyon	(C)
Randy Harden	Boyer	(P)
	Summit Minerals	(P)
Ken Wyatt	C.V. Spur	(P)
	Deer Creek	(P)
Bill Malencik	Sunnyside	(P)
	Cottonwood/Wilberg	(P)
	Horse Canyon	(P)

Week of August 23-27, 1993

Steve Demczak	Belina Complex	(P)
	Banning Loadout	(P)
Paul Baker	Knight Mine	(P)
	Castle Gate	(C)
Randy Harden	Blazon #1	(P)

Week of August 30-September 3, 1993

Hugh Klein	Sunnyside Cogeneration	(P)
------------	------------------------	-----

Week of September 7-10, 1993

Steve Demczak	Emery Deep	(P)
	Banning Loadout	(C)
	Blackhawk Exploration	(E)
Jim Smith	Crandall Canyon	(C)
Jesse Kelley	Gordon Creek #2, #7 & #8	(C)
	Wildcat Loadout	(C)
Susan White	Huntington #4	(C)
	Bear Canyon	(P)
Bill Malencik	Gordon Creek #3 & #6	(C)
	Trail Mountain	(P)

Week of September 13-17, 1993

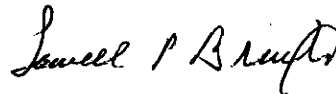
Steve Demczak	Wellington Prep.	(P)
	Skyline	(p)
Sharon Falvey	Soldier Canyon	(P)
Wayne Western	Convulsion Canyon	(P)
Henry Sauer	Sunnyside	(C)
Tom Munson	Horse Canyon	(C)
Bill Malencik	Star Point	(P)
	Trail Canyon	(P)

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Inspection Schedule
July-September 1993
August 17, 1993

Week of September 20-24, 1993

Steve Demczak	Belina Complex	(P)
	Hiawatha	(P)
Randy Harden	Centennial Project	(P)
	Boyer	(C)
	Summit Minerals	(C)
Paul Baker	Blazon	(C)
	Knight	(P)
Susan White	Castle Gate	(P)
	Hidden Valley	(P)
Hugh Klein	J.B. King	(P)
Ken Wyatt	Sunnyside Cogeneration	(C)
	Cottonwood/Wilberg	(C)
Bill Malencik	Deer Creek	(C)
	C.V. Spur	(P)

Sincerely,



Lowell P. Braxton
Associate Director, Mining

jbe/mbm

cc: Marcia Petta, OSM, Albuquerque
Pamela Grubaugh-Littig, DOGM
Daron Haddock, DOGM
Joe Helfrich, DOGM
Mining Inspectors

A:\JUL-SEP.93



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

File

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August 26, 1993

TO: James W. Carter, Director *JWC approved 8/27/93*
FROM: Lowell P. Braxton, Associate Director, Mining *LB*
RE: Personal Safety Equipment Policy, Revised August 26, 1993

Federal, state, and local rules and regulations require that employees of oil, gas, and mining companies and individuals visiting active mine operations, mine reclamation sites, and oil and gas operations wear hard-toed footwear (boots or shoes), hard hats, and in many instances safety glasses. To date, employees of the Division have generally complied with these regulations, but it is important that specific compliance is achieved. To that end, it is the Division's responsibility to provide the required safety equipment. This policy, when approved, will provide guidance to Division staff and management to supply such equipment.

The equipment that will be provided and the frequency of replacement is listed below:

Safety Equipment	Minimum Replacement Frequency	Maximum Purchase Price
Hard-toed leather boots or shoes	Three years	\$ 99.30
Hard-toed waterproof boots	Three years	76.50
Hard hats	Three years	10.00
Conventional safety glasses	Two years	28.00
Prescription safety glasses	Prescription change	60.00
Raincoats	Two years	27.00
Disposable ear plugs	Available in supply room	
Other safety equipment for specific programmatic needs	To be established by program administer	

vb

SFTYEOP



State of Utah
DEPARTMENT OF NATURAL RESOURCES
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September 27, 1993

Mr. Steve Rathbun
Inspection and Enforcement
Office of Surface Mining
505 Marquette N.W., Suite 1200
Albuquerque, New Mexico 87102

Re: Inspection Schedule for October, November and December 1993

Dear Mr. Rathbun:

The Division's tentative mine inspection schedule for the months of October, November and December 1993, is enumerated below:

Week of October 4-8, 1993

Susan White	Bear Canyon	(P)
	Trail Canyon	(C)
	Huntington #4	(P)
Steve Demczak	Blackhawk Exploration	Exp
	Centennial Project	(C)
Paul Baker	Castle Gate	(P)
	Knight Mine	(C)

Week of October 12-15, 1993

Steve Demczak	Belina Complex	(C)
	Skyline Mine	(P)
Wayne Western	Convulsion Canyon	(P)
Sharon Falvey	Soldier Canyon	(P)



Page 2
Inspection Schedule
October-December 1993
September 27, 1993

Week of October 18-22, 1993

Bill Malencik	Sunnyside Cogeneration	(P)
	Deer Creek	(P)
	C. V. Spur	(P)
	Trail Mountain	(P)
Susan White	Horse Canyon	(C)
Jesse Kelley	Wildcat Loadout	(C)
	Gordon Creek #2, #7, & #8	(C)
Jim Smith	Crandall Canyon	(P)
Steve Demczak	Blazon #1	(P)
Steve Johnson	Emery Deep	(P)
Wayne Western	Boyer	(P)
	Summit Minerals #1	(P)

Week of October 25-29, 1993

Bill Malencik	Gordon Creek #3 & #6	(C)
	Star Point	(C)
	Cottonwood/Wilberg	(P)
Tom Munson	J. B. King	(P)
	Hidden Valley	(C)
Henry Sauer	Sunnyside Mine	(P)
Steve Demczak	Hiawatha	(P)
	Banning Loadout	(P)
	Wellington Prep	(P)

Week of November 1-5, 1993

Bill Malencik	Trail Mountain	(C)
	C. V. Spur	(C)
Susan White	Bear Canyon	(C)
	Huntington #4	(C)
	Trail Canyon	(P)
Sharon Falvey	Soldier Canyon	(C)
Steve Demczak	Skyline	(C)
	Belina Complex	(P)
	Blazon #1	(P)
Paul Baker	Knight	(P)
	Castle Gate	(C)

Page 3
Inspection Schedule
October-December 1993
September 27, 1993

Week of November 8-12, 1993

Bill Malencik	Sunnyside Cogeneration	(P)
	Cottonwood/Wilberg	(C)
Henry Sauer	Sunnyside	(P)
Steve Demczak	Banning Loadout	(P)
	Centennial Project	(P)
Wayne Western	Boyer	(P)
	Summit Minerals	(P)

Week of November 15-19, 1993

Bill Malencik	Deer Creek	(P)
	Star Point	(P)
Susan White	Horse Canyon	(P)
	Hidden Valley	(P)
	J. B. King	(P)
Jesse Kelley	Wildcat Loadout	(P)
	Gordon Creek #2, #7, & #8	(P)
	Gordon Creek #3 & #6	(P)
Steve Demczak	Hiawatha	(C)
	Wellington Prep	(C)
Steve Johnson	Emery Deep	(C)
Wayne Western	Convulsion Canyon	(C)
Jim Smith	Crandall Canyon	(P)

Week of November 22-26, 1993

No Inspections Scheduled

Week of November 29 - December 3, 1993

Steve Demczak	Hiawatha	(P)
---------------	----------	-----

Week of December 6-10, 1993

Bill Malencik	Star Point	(P)
	Sunnyside Cogeneration	(C)
Tom Munson	Hidden Valley	(P)
	J. B. King	(C)
Henry Sauer	Sunnyside Mine	(C)
Susan White	Bear Canyon	(P)
	Trail Canyon	(P)
	Huntington #4	(P)
Wayne Western	Boyer	(C)
	Summit Minerals	(C)
Steve Demczak	Blazon	(C)
	Banning Loadout	(C)
Steve Johnson	Emery Deep	(P)

Week of December 13-17, 1993

Bill Malencik	Des-Bee-Dove	(C)
	C. V. Spur	(P)
	Trail Mountain	(P)
	Cottonwood/Wilberg	(P)
Jesse Kelley	Gordon Creek #2, #7, & #8	(P)
	Gordon Creek #3 & #6	(P)
	Wildcat Loadout	(P)
Ken Wyatt	Deer Creek	(C)
Susan White	Horse Canyon	(P)
Sharon Falvey	Soldier Canyon	(P)
Steve Demczak	Wellington Prep	(P)
	Skyline	(P)
Wayne Western	Convulsion Canyon	(P)
Paul Baker	Castle Gate	(P)
	Knight	(P)

Week of December 20-24, 1993

Steve Demczak	Belina Complex	(P)
	Centennial Project	(P)
Jim Smith	Crandall Canyon	(C)

Page 5
Inspection Schedule
October-December 1993
September 27, 1993

Week of December 27-31, 1993

No Inspections Scheduled

** Reclamation

Sincerely,



Lowell P. Braxton
Associate Director, Mining

mbm

cc: Russ Porter, OSM, Albuquerque
Pamela Grubaugh-Littig, DOGM
Daron Haddock, DOGM
Joe Helfrich, DOGM
Mining Inspectors

A:\OCT-DEC.93



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

September 27, 1993

TO: Lowell P. Braxton, Associate Director

FROM: Pamela Grubaugh-Littig, Permit Supervisor *pgl*

RE: Tentative "A" Team Permitting Schedule

Major permitting actions for the "A" Team are two permanent program permits, two major five-year permit renewals (ongoing review of resubmitted plan), three mid-terms, five coal lease tracts, and three reclamation reviews. The major permitting actions are:

PERMANENT PROGRAM PERMIT ISSUANCE

Garfield Coal Company

*	Met with Representatives for Mapping	04/29/92
*	Met with Hydrologist on Project	05/12/92
*	Met with Soils Representative	09/92
*	Met with Hydrologist Re: PHC	11/19/92
*	Met with Patrick Collins	12/10/92
*	Update Letter to Director	12/23/92
*	Submitted to Division	07/01/93
*	Site Visit	09/07&08/93
*	ICR	09/30/93

Sunnyside Cogeneration Associates (Environmental Power Corporation)

*	Permit Transfer with PAP submittal	08/20/92
*	Letter Sent to EPC Stating Need Separate Permit	09/10/92



PERMANENT PROGRAM PERMIT ISSUANCE (Continued)

Sunnyside Cogeneration Associates (Continued)

* Clarification of Mining and AML Fees (Letter Sent)	09/21/92
* Completeness Issues Letter Sent	10/21/92
* Meeting with SCA Consultants	10/22/92
* Completeness Issues Response	10/27/92
* Determination of Completeness	10/28/92
* TD Issued	11/25/92
* Applicant Response	12/03/92
* Meeting with Applicant, Attorneys & Consultants	12/18/92
* Deficiency Response	01/08/93
* Permit Issued with 20 Conditions	02/04/93
* Comprehensive Conditions Response	09/15/93

FIVE-YEAR RENEWALS

Co-Op Mining Company: Bear Canyon Mine

* Operator Submits Five-Year Renewal Application	07/13/90
* Division Issues Determination of Completeness	09/01/90
* Technical Deficiency Sent to Operator	09/19/90
* Formal Protest to Five-Year Renewal; Request for Informal Hearing	10/10/90
* Operator Response	10/19/90; 10/22/90; 10/31/90
* CO #C90-26-1-1 Issued Due to Publication Problems	11/02/90
* NOV #N90-34-1-1 Issued Due to Need for Updating Maps in Plan	11/26/90
* Division Order Issued Requesting 18 Permit Changes	11/27/90
* Operator Submits Partial Response to Division Order	01/21/91
* Operator Submits New Maps	02/25/91
* Inadequacy of Maps Informally Given to Operator	03/21/91
* Operator Submits Revised Maps	04/08/91; 04/22/91
* Operator Submits Partial Response to Division Order (NOV #N91-20-1-1)	04/24/91
* Hindrance Violation Issued Due to Failure to Submit All Information to Division Order	04/26/91
* Updated Maps and Plans Submitted	05/03/91; 05/17/91

FIVE-YEAR RENEWALS (Continued)

Co-Op Mining Company: Bear Canyon Mine (Continued)

* Permit Renewed	05/20/91
* More Information Re: The Division Order is Submitted by Operator	05/24/91
* Technical Review of Division Order Completed (NOV Terminated)	09/03/91
* More Division Order Information Submitted	12/30/91
* Complete Reclamation of Highwall Approved	05/03/92
* Hydrogeologic Information Submitted	07/31/92
* Division Letter Sent Stating Revised PHC Required	08/04/92
* Revised PHC Submitted	08/17/92
* Revised PHC Resubmitted	09/17/92
* Meeting with Operator re: Deficiencies	11/13/92
* Response Received	12/11/92
* PHC Technical Review Sent	03/04/93
* PHC Response Received	04/27/93
* CHIA Revised	11/93

Sunnyside Coal Company: Sunnyside Mine

* Operator Submits Five-Year Renewal Application in New Format	10/09/90
* Division Issues Completeness	11/20/90
* Permit Successively Renewed	01/20/91
* Overall Field Review	07/10/91
* Division Continues Review of New Format Application	12/91
* Completeness Document Sent	02/07/92
* Operator Response Due	03/31/92
* Extension Granted for Submittal	07/06/92; 09/01/92; 10/01/92; 12/01/92
* Final Extension Granted to Operator Submitted	02/15/93 (Holiday) 02/16/93
* NOV #N93-32-2-5 Modified	05/12/93
* Base Maps-New Aerial Survey	10/22/93

FIVE-YEAR RENEWALS (Continued)

PacifiCorp: Deer Creek Mine

- * Operator Submits Five-Year Renewal Application in New Format 10/09/90
- * Division Issues Completeness on Old Application 12/07/90
- * Permit Successively Renewed on Old Application 02/07/91
- * Operator Submitted Updated Legal & Financial Information 01/15/92
- * Operator Submits "Rosetta Stone" to Decipher Approved Plan to Reformatted Plan 03/16/92
- * Review Sent 04/15/92
- * Meeting on Plan 06/17/92
- * Second Meeting on Plan 08/13/92
- * Team Review of Updates Approved 09/11/92
- * Midterm Review 09/20/93

Andalex Resources: Wildcat Loadout

- * Submittal Due 01/05/94

Co-Op Mining Company: Trail Canyon Mine

- * Submittal Due 01/26/94

PacifiCorp: Cottonwood/Wilberg Mine

- * Submittal Due 03/06/94

Mountain Coal Company: C.V. Spur Mine

- * Submittal Due 04/07/94

Mountain Coal Company: Gordon Creek #2, #7 & #8 Mine

- * Submittal Due 04/28/94

MID-TERM REVIEWS

- * Wildcat Loadout - Begin July 1991
Letter Sent 09/16/91 to Commence Mid-Term

Completed December 4, 1991

- * C.V. Spur
 - Begin September 1991
 - Letter Sent 09/17/91 to Commence Mid-Term
 - Letter Sent 02/04/92
 - Response Received 04/15/92
 - Review Sent 06/08/92
 - Response Due 06/25/92
 - Completed 06/30/92
- * Cottonwood/Wilberg
 - Begin September 1991
 - Letter Sent 09/17/91 to Commence Mid-Term
 - Letter Sent 02/04/92
 - Response Due 03/06/92 (Extended to 03/20/92)
 - Received 03/25/92
 - Review Sent 08/01/92
 - Response 10/15/92 and 12/11/92
 - Approved 01/07/93
- * Gordon Creek #2, #7 & #8 - Done 02/26/92
- * Trail Mountain
 - Letter Sent August 21, 1992
 - Due October 1, 1992
 - Extended to 10/30/92
 - Response Received 10/30/92
 - Review Sent 12/07/92
 - Response Received 01/07/93
 - Completed 02/09/93
- * Deer Creek
 - Done September 20, 1993
- * Des-Bee-Dove
 - Sent March 1, 1993
 - Done April 8, 1993
- * Bear Canyon
 - Letter sent 7/8/93
 - July 1993 - Submitted 8/23/93
- * Sunnyside Mine
 - July 1993 - Base Maps to be Submitted 10/29/93
- * Horse Canyon
 - November 6, 1993

LEASE TRACTS

Bear Canyon Lease Tract

* Division Received	12/21/89
* Initial Completeness Review Issued to Operator	03/01/90
* Other Agency Comments Sent to Operator	06/11/90
* Operator Response	07/13/90
* Determined Complete	09/25/90
* Technical Deficiency Sent to Operator	12/04/90
* Partial Operator Response	01/02/91
* Informal Hearing	02/05/91
* Response to Informal Hearing	05/20/91
* Resubmitted Copies for Other Agencies	01/04/93
* Sent to Other Agencies	01/12/93
* Review From Other Agencies Due	02/19/93
* Send Division Technical Deficiencies	04/30/93
* **Technical Analysis	
* Document Sent to Washington	
* State Permit Issued	

** Co-Op Mining Company drilled underground monitoring three (3) holes. Consultant report forthcoming. The Federal Lease Tract Addition is delayed indefinitely. Sent letter 08/04/92 stating that Federal Lease Tract cannot be considered until revised PHC submitted and reviewed. Revised PHC Submitted 09/17/92. Letter sent 10/5/92 regarding updated copies needed for agencies. Updated copies received 1/5/93, transmitted to agencies 1/12/93.

Rilda Canyon: Deer Creek Mine

* Division Received	02/12/90
* Initial Completeness Review (with other agency comments)	05/23/90
* Partial Operator Response (hydro missing)	10/15/90
* PHC Information Sent	05/01/91
* Second Operator Response Sent to Division	12/26/91
* PHC Review Sent to Operator	02/10/92
* PHC Partial Operator Response	02/26/92
* Update Request of Plan Sent	03/06/92
* Operator Response (PHC)	03/25/92
* Division PHC Review Sent	05/15/92
* Operator Response (PHC)	07/15/92
* Division Concern Letter Sent	07/22/92

LEASE TRACTS (Continued)

Rilda Canyon: Deer Creek Mine (Continued)

* IBC Submitted	09/18/92
* IBC Info Sent to OSM, Denver	11/04/92
* IBC Approved	01/06/93
* 2nd IBC Submitted	04/14/93
* 2nd IBC Sent to Denver	06/14/93
* 2nd IBC Approved	07/16
* Operator Submits More Information	09/93
* Completeness Review	11/93
* Determine Complete	01/94
* Technical Analysis	03/94
* Send to Washington	04/94
* State Permit Issued	05/94

Castle Valley Ridge Lease Tract: Star Point Mine

* Division Receives	09/17/91
* Division Reviews for Completeness	
Issues ICR/TD	05/20/92
* PHC Update Submitted	05/15/92
* Division Review of PHC Sent	08/04/92
* Determined Not Complete Letter Sent	08/14/92
* PHC Review Response Received	09/28/92
* PHC Review Sent	12/03/92
* PHC Response Received	01/15/93
* Determined Complete	03/01/93
* PHC Division Review Sent	03/24/93
* Informal Conference Scheduled, then Postponed	06/03/93
* 3rd IBC Submitted	06/07/93
* Technical Analysis	02/94
* Send to Washington	06/94
* State Permit Issued	08/94

Sunnyside Coal Company - "B" and "C" Canyon

* Sunnyside Mine Reps Met with Division	03/25/92
Re: Permitting (Met w/Bob Burnham)	05/07/92
* Division Receives	

LEASE TRACTS (Continued)

Horse Canyon: South Lease

*	Meeting to Discuss Permitting	02/04/93
*	Baseline Water Monitoring & Exploration Meeting	03/15/93
*	Exploration Application Received	06/23/93
*	Submit Application	12/93

RECLAMATION REVIEW - Work To Be Done

- * Gordon Creek #2, #7, & #8
 - Closed November 1, 1990.
 - Partially Reclaimed 1991.
 - Highwall Review Meeting Held 02/25/92.
 - Resubmitted Highwall & Reclamation Information 05/07/92.
 - NOV #N92-20-1-1 Issued 06/15/92 Due to Lack of Information in Plan.
 - Meeting with Dan Guy, Scot Anderson (Arco Legal Counsel) on 06/25/92.
 - Abatement Date 06/29/92.
 - Informal Hearing Held 07/14/92. Division Order 92-A (Review Comments) Sent 07/27/92.
 - Agreement Letter of Schedule Sent to Scott Anderson 08/17/92. Approval of Highwalls 09/10/92. Some Reclamation Work Done in 1992, Balance in 1993.
 - Reclamation Resubmittal Received 02/01/93.
 - ICR & TD Review Sent 03/17/93.
 - Meeting on 04/01/93.
 - Deficiency Response Received 05/10/93.
 - Deficiency Letter Sent 06/09/93, Due 06/30/93; Extended to 8/6/93
 - Awaiting AOC policy

- * J.B. King
 - Three NOVs Written and Upheld by Director, Numerous Exchanges.
 - Reclamation Plan Justifying Doing Nothing Submitted 09/15/92.
 - Meeting with Dianne 10/23/92.
 - Memos to Dianne & Lowell 11/12/92,
 - Re: Abatement Plan Deficiencies.

Page 9
Tentative Schedule
"A" Team
September 27, 1993

Letter Sent 12/07/92; Violation Modified.
Response Received 01/21/93.
PGL Memo to Lowell 04/14/93.
NOVs Extended to 05/28/93, One Extended to
7/06/93 and the Other to 07/30/93.
Extended to 9/30/93

* Hidden Valley

- Division Upheld NOV N91-26-8-2.
Board Upheld 07/30/92.
Third District Upheld 11/05/92.
Appealed to Supreme Court 01/93.
Need to Implement Abatement Plan By 02/20/93
(Vegetation) and 04/01/93 (Erosion Control)
(In construction)
Court Date 8/18/93; Awaiting Decision

sm
cc: Joe Helfrich
Daron Haddock
A:\PERMSCHE.MEM



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

September 29, 1993

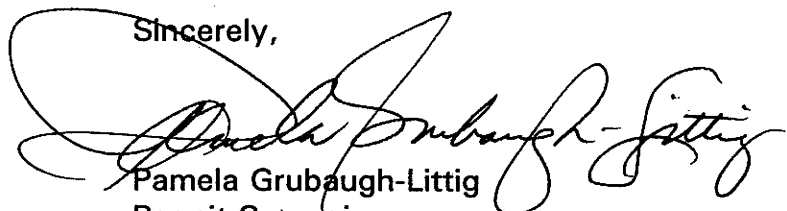
Mr. Richard E. Dawes, Chief
Division of Federal Programs
Office of Surface Mining
Brooks Towers
1020 15th Street
Denver, Colorado 80202

Re: Bonding Database for State/Federal Bonds, Response to Letter Dated August 27, 1993 from Mr. Robert H. Hagen (AFO)

Dear Mr. Dawes:

Enclosed please find corrected information relative to the above-noted letter that should be routed to Carol Fuller in your office. If you have any questions, please call me.

Sincerely,



Pamela Grubaugh-Littig
Permit Supervisor

pgl
Enclosure



LOH 14

DATA SET 1 PRINTOUT

OSR Number	State	Permit Number	Mine Name	Permittee Name	Principal's Name	Bond Type	Bond Number	Surety/Bank/Quarantor Name
UT	UT	CRP-019-004	BLAZE/JACK	NEW TECH MINING	NEW TECH MINING			
UT	UT	ACT-001-012	SUNNYSIDE	SUNNYSIDE COAL COMPANY	SUNNYSIDE COAL COMPANY			
UT-0001	UT	ACT-015-019	WILLABERG/COTTONWOOD PORTAL	PACIFICORP ELECTRIC	PACIFICORP ELECTRIC		9249819	AMERICAN CASUALTY COMPANY of Reading PA
UT-0003	UT	ACT-007-005	SETLINE	COASTAL STATES ENERGY COMPANY	COASTAL STATES ENERGY COMPANY		U603244-6	United Pacific Insurance Company
UT-0004	UT	ACT-015-004	HUNTINGTON CANTON #1	MOUNTAIN COAL COMPANY	MOUNTAIN COAL COMPANY		U-630694	United Pacific Insurance Company
UT-0005	UT	ACT-015-015	EMERT DEEP	CONSOLIDATION COAL COMPANY	CONSOLIDATION COAL COMPANY		188617	Seaboard Surety Company
UT-0006	UT	ACT-007-011	HIWATHA	U.S. FUEL COMPANY	U.S. FUEL COMPANY		101733369	Insurance Company of North America
UT-0007	UT	ACT-007-004	CASTLE GATE	ANAX COAL COMPANY	ANAX COAL COMPANY		9298055	National Fire Insurance Company of Hartford
UT-0010	UT	ACT-007-016	GORDON CREEK NOS. 2, 7 & 8	MOUNTAIN COAL COMPANY	MOUNTAIN COAL COMPANY		U-629985	United Pacific Insurance Company
UT-0013	UT	ACT-007-001	BELIMA #1	VALLEY CAMP OF UTAH, INCORPORATED	VALLEY CAMP OF UTAH, INCORPORATED		255100723365	Aetna Casualty and Surety Company (The)
UT-0014	UT	ACT-007-007	SUNNYSIDE	VALLEY CAMP OF UTAH, INCORPORATED	VALLEY CAMP OF UTAH, INCORPORATED			
UT-0015	UT	ACT-015-017	DES-BEE-DOVE	VALLEY CAMP OF UTAH, INCORPORATED	VALLEY CAMP OF UTAH, INCORPORATED			
UT-0016	UT	ACT-015-018	DEER CREEK	VALLEY CAMP OF UTAH, INCORPORATED	VALLEY CAMP OF UTAH, INCORPORATED			
UT-0017	UT	ACT-015-009	TRAIL MOUNTAIN NO. 4	VALLEY CAMP OF UTAH, INCORPORATED	VALLEY CAMP OF UTAH, INCORPORATED			
UT-0018	UT	ACT-007-006	STARPOINT	VALLEY CAMP OF UTAH, INCORPORATED	VALLEY CAMP OF UTAH, INCORPORATED			
UT-0020	UT	INA-007-013	GENEVA COMPLEX/HORSE CANYON	VALLEY CAMP OF UTAH, INCORPORATED	VALLEY CAMP OF UTAH, INCORPORATED			
UT-0022	UT	ACT-007-019	CENTENNIAL PROJECT	VALLEY CAMP OF UTAH, INCORPORATED	VALLEY CAMP OF UTAH, INCORPORATED			
UT-0023	UT	ACT-007-019	CENTENNIAL PROJECT	VALLEY CAMP OF UTAH, INCORPORATED	VALLEY CAMP OF UTAH, INCORPORATED			
UT-0026	UT	ACT-007-018	SOLDIER CANYON	VALLEY CAMP OF UTAH, INCORPORATED	VALLEY CAMP OF UTAH, INCORPORATED			
UT-0026	UT	ACT-041-002	CONVULSION CANYON	VALLEY CAMP OF UTAH, INCORPORATED	VALLEY CAMP OF UTAH, INCORPORATED			
UT-0033	UT		ALTON	VALLEY CAMP OF UTAH, INCORPORATED	VALLEY CAMP OF UTAH, INCORPORATED			
UT-0036	UT		C & W NO. 1	VALLEY CAMP OF UTAH, INCORPORATED	VALLEY CAMP OF UTAH, INCORPORATED			
UT-0041	UT	INA-007-009-1PR	SAGEPOINT-DUGOUT CANYON	VALLEY CAMP OF UTAH, INCORPORATED	VALLEY CAMP OF UTAH, INCORPORATED			
UT-0053	UT	ACT-015-025	BEAR CREEK CANYON	VALLEY CAMP OF UTAH, INCORPORATED	VALLEY CAMP OF UTAH, INCORPORATED			
UT-0067	UT	ACT-015-032	CRANDALL CANYON	VALLEY CAMP OF UTAH, INCORPORATED	VALLEY CAMP OF UTAH, INCORPORATED			
UT-0073	UT		SHOEF HOLLOW	VALLEY CAMP OF UTAH, INCORPORATED	VALLEY CAMP OF UTAH, INCORPORATED			
UT-0074	UT	PRG-007-033	WILDCAT LOADOUT	VALLEY CAMP OF UTAH, INCORPORATED	VALLEY CAMP OF UTAH, INCORPORATED			
UT-0075	UT	PRG-007-034	BANING SIDING	VALLEY CAMP OF UTAH, INCORPORATED	VALLEY CAMP OF UTAH, INCORPORATED			
UT-0077	UT	PRG-007-020	BLUE BLAZE #1 & 2	VALLEY CAMP OF UTAH, INCORPORATED	VALLEY CAMP OF UTAH, INCORPORATED			

N/A

Valley Camp of Utah, Incorporated

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Valley Camp of Utah, Incorporated

ACT means in temporary cessation & reclamation.

3/15/82
Page 1

DATA SET 2 PRINTOUT

OSN Number State	Permit Number	Mine Name	Current Bond Amount	Original Bond Amount	Effective Date for Bond	Bond Action Code	Bonding Scheme	Cost Method	Expiration Date for LOC Bond	Obligor/Payee Name	Location Where Secure
UT	CEP-019-004	BLACKJACK									
UT	ACT-007-012	SUNNYSTONE N/A									
UT-0001	UT ACT-015-019	WILLBERG/COTTONWOOD PORTAL	\$2,071,098.00							DOGN/OSN	
UT-0003	UT ACT-007-005	SKYLINE	\$3,180,000.00							DOGN/OSN	
UT-0004	UT INA-015-004	HUNTINGTON CANYON #1	\$144,000.00							DOGN/OSN	
UT-0005	UT ACT-015-015	EMERY DEEP	\$3,454,443.00							DOGN/OSN	
UT-0006	UT ACT-007-011	RIANATHA	\$1,450,000.00 + 2,329,000 (self bond)							DOGN/OSN	
UT-0007	UT ACT-007-004	CASTLE GATE	\$2,683,603.00							DOGN/OSN	
UT-0010	UT ACT-007-016	GORDON CREEK NOS. 2, 7 & 8	\$641,443.00							DOGN/OSN	
UT-0013	UT ACT-007-001	BELINA #1	\$2,300,000.00							DOGN/OSN	
UT-0014	UT ACT-007-007	SUNNYSTONE								DOGN/OSN	
UT-0015	UT ACT-015-017	DES-BER-BOVE	\$1,837,712.00							DOGN/OSN	
UT-0016	UT ACT-015-018	DEER CREEK	\$2,000,000.00							DOGN/OSN	
UT-0017	UT ACT-015-009	TRAIL MOUNTAIN NO. 3	\$700,000.00							DOGN/OSN	
UT-0018	UT ACT-007-006	STARPOINT	\$1,830,000.00							DOGN/OSN	
UT-0020	UT ACT-007-013	GENEVA CONFEE/HORSE CANYON	LOC							DOGN/OSN	
UT-0022	UT ACT-007-019	CENTENNIAL PROJECT	\$381,839.00							DOGN/OSN	
UT-0023	UT ACT-007-019	CENTENNIAL PROJECT	\$669,000.00							DOGN/OSN	
UT-0025	UT ACT-007-018	SOLDIER CANYON	\$1,910,000.00 3, 238, 000							DOGN/OSN	
UT-0026	UT ACT-011-002	CONVULSION CANYON	\$1,590,000.00							DOGN/OSN	
UT-0033	UT	ALTON									
UT-0036	UT	C & W NO. 1									
UT-0041	UT INA-007-009-1PR	SAGEPOINT-DUGOUT CANYON									
UT-0053	UT ACT-015-025	BEAR CREEK CANYON	LOC							DOGN/OSN	
UT-0057	UT ACT-015-032	CRANDALL CANYON	\$268,000.00							DOGN/OSN	
UT-0073	UT	SHORT HOLLOW									
UT-0074	UT ACT-007-033	WILDCAT LOADOUT	\$813,795.00							DOGN/OSN	
UT-0075	UT ACT-007-034	BANNING SIDING	\$211,000.00							DOGN/OSN	
UT-0077	UT PRO-007-020	BLUE BLAZE #1 & 2									

Colateral Bond

DOGN/OSN

DATA SBT 3 PRINTOUT

OSN Number	State	Permit Number	Mine Name	Legal Description	County	Total Acres Permitted	Federal Acres Permitted	Permit Issuance Date	Affected Acres for Affected Acres	Effective Date
UT-0001	UT	CEP-019-004	BLACKJACK	N/A	Grand	3.00	3.00	12/12/83		
UT-0002	UT	ACT-007-012	SUNNYSIDE		Carbon	11,385.00	2,022.00	8/06/89		
UT-0003	UT	ACT-015-019	WILLBERG/COTTONWOOD PORTAL		Emery	11,508.00	10,978.00	7/06/89		
UT-0004	UT	ACT-007-005	SKYLINE		Carbon	7067	6977	12/01/89		
UT-0005	UT	INA-015-004	HUNTINGTON CANYON #4		Emery	1,320.00	600.00	4/11/85		
UT-0006	UT	ACT-015-015	EMERY DEEP		Emery	518	805.00	8/13/85		
UT-0007	UT	ACT-007-011	HIAMATHA		Carbon	12,177	5724	3/13/87		
UT-0008	UT	ACT-007-004	CASTLE GATE		Carbon	7619	5115	5/30/86	12/24/84	
UT-0009	UT	ACT-007-016	GORDON CREEK NOS. 2, 7 & 8		Carbon	2,300.00	1,725.00	9/10/84	8/28/84	
UT-0010	UT	ACT-007-001	BREITVA #1		Carbon	3746	2,370.00	7/05/90		
UT-0011	UT	ACT-007-007	SUNNYSIDE		Carbon	14,418	2022	1/21/86		
UT-0012	UT	ACT-015-017	DEB-DEB-DOVE		Emery	2,817.00	1,877.00	8/29/85		
UT-0013	UT	ACT-015-018	DEER CREEK		Emery	14,740	8345	12/18/85	2/7/86	
UT-0014	UT	ACT-015-009	TRAIL MOUNTAIN NO. 9		Emery	4246	3552	2/11/85	2/21/85	
UT-0015	UT	ACT-007-006	STARPOINT		Carbon	7122.5	5197	8/07/87		
UT-0016	UT	INA-007-013	GENEVA COMPLEX/HORSE CANYON		Carbon	3,320.00	1,522.00	5/11/85	5/6/87	
UT-0017	UT	ACT-007-019	CENTENNIAL PROJECT		Carbon	5102.48	4622	2/02/88	1/4/87	
UT-0018	UT	ACT-007-019	CENTENNIAL PROJECT		Carbon	0.00	0.00	2/02/88		
UT-0019	UT	ACT-007-018	SOLDIER CANYON		Carbon	4909	2164	2/03/87		
UT-0020	UT	ACT-041-002	CONVULSION CANYON		Sevier	17,301.00	16,821.00	5/27/89	5/19/87	
UT-0021	UT		ALTON							
UT-0022	UT		C & W NO. 1							
UT-0023	UT	INA-007-009-1PR	SAUERPOINT-DUGOUT CANYON		Carbon	4,475.00	4,475.00	9/10/84	Permit Reworked 5/29/87	
UT-0024	UT	ACT-015-025	BEAR CREEK CANYON		Emery	1531	480	10/31/85	11/1/85	
UT-0025	UT	ACT-015-032	CRANDALL CANYON		Emery	2,165.40	525.70	1/11/89	6/14/89	
UT-0026	UT		SHORT HOLLOW							
UT-0027	UT	ACT-PRO-007-033	WILDCAT LOADOUT		Carbon	100.00	100.00	5/05/89		
UT-0028	UT	ACT-PRO-007-034	BANNING SIDING		Carbon	36.00	24.00	10/24/88		
UT-0029	UT	PRO-007-020	BLUE BLAZE #1 & 2		Carbon	0.00	0.00	N/A		

DATA SET 4 PRINTOUT

OSM Number	State	Permit Number	Mine Name	Phase I Release Date	Phase I Release Amount	Phase II Release Date	Phase II Release Amount	Phase III Release Date	Phase III Release Amount
UT		CSP-019-004	BLAKEJACK						
UT		ACT-007-012	SUNNYSIDE						
UT-0001		ACT-015-019	WILBERG/COTTONWOOD PORTAL						
UT-0003		ACT-007-005	SKYLING						
UT-0004		ACT-015-004	HUNTINGTON CANYON #1						
UT-0005		ACT-015-015	EMERY DEEP						
UT-0006		ACT-007-011	HIAMATHA						
UT-0007		ACT-007-004	CASTLE GATE						
UT-0010		ACT-007-016	GORDON CREEK NOS. 2, 7 & 8						
UT-0013		ACT-007-001	BELINA #1						
UT-0014		ACT-007-007	SUNNYSIDE						
UT-0015		IMA-015-017	DSS-BEE-BOVE						
UT-0016		ACT-015-018	DEER CREEK						
UT-0017		ACT-015-009	TRAIL MOUNTAIN NO. 3						
UT-0018		ACT-007-006	STARPOINT						
UT-0020		IMA-007-013	GENEVA COMPLEX/HORSE CANYON						
UT-0022		ACT-007-019	CENTENNIAL PROJECT						
UT-0022		ACT-007-019	CENTENNIAL PROJECT						
UT-0023		ACT-007-018	SOLDIER CANYON						
UT-0026		ACT-041-002	CONVULSION CANYON						
UT-0033			ALTON						
UT-0036			C & W NO. 1						
UT-0041		IMA-007-009-1PR	SAGEPOINT-DUGOUT CANYON						
UT-0053		ACT-015-025	BEAR CREEK CANYON						
UT-0067		ACT-015-032	CRANDALL CANYON						
UT-0073			SHORT HOLLOW						
UT-0074		ACT-007-033	WILDCAT LOADOUT						
UT-0075		ACT-007-034	BANING SIDING						
UT-0077		PRO-007-020	BLUE BLAZE #1 & 2						



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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James W. Carter
Division Director

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Salt Lake City, Utah 84180-1203
801-538-5340
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September 30, 1993

TO: James W. Carter, Director
Lowell P. Braxton, Associate Director, Mining
Daron Haddock, Permit Supervisor

FROM: Pamela Grubaugh-Littig, Permit Supervisor *pgl*

RE: Status of Liability Insurance for Coal Operators

The updated liability insurance status report is enclosed.

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Enclosure
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LIABILITY INSURANCE FOR COAL MINES

As of September 30, 1993

Name of Project	Policy Number	Primary Insurance Company (Best's Rating) 1993	Effective Dates	"Accord" Form	XCU (Explosives)	Claims Made or Per Occurrence Retroactive Date	Cancellation Language	Certificate Holder (State of Utah- DOGM)
Valley Camp Coal Co. Belina Mines ACT/007/001	GLR989061	Home Indemnity Company (A-)	04/01/93- 04/01/94	Yes	Yes	Occurrence	Yes	Yes
Amax Coal Company Castle Gate Mine ACT/007/004	GL3259027	National Union Fire Ins. Co. of Pittsburgh, PA (A++)	04/01/93- 04/01/94	Yes	Yes	Claims Made 04/01/86	Yes	Yes
Coastal Corp. ETAL Skyline Mine/Eccles Cyn ACT/007/005	MC001172	Fidelity & Casualty Co. of N.Y. (A-)	12/31/93- 12/31/94	Yes	Yes	Occurrence	Yes	Yes
Cyprus Minerals Co. and its subsidiary Co. Star Point ACT/007/006	RMGL175946	National Union Fire Insurance Company (A++)	07/01/93- 07/01/94	Yes	Yes	Claims Made 07/01/89	Yes	Yes
Sunnyside Coal Company Sunnyside Mines ACT/007/007	ML14823	Old Republic Insurance Company (A+)	12/22/92- 12/22/93	Yes	Yes	Occurrence	Yes	Yes
U. S. Fuel Co. King Mines #4, 5 & 6 ACT/007/011	GL NGA1498686-01	Planet Insurance Co. (A-)	04/01/93- 04/01/94	Yes	Yes	Occurrence	Yes	Yes
Nevada Electric Investmt Genval Coal Co. Castle Valley Resources Wellington Prep. ACT/007/012	3710-3989	Federal Insurance Company (A++)	01/01/93- 01/01/94	Yes	Yes	Occurrence	Yes	Yes

LIABILITY INSURANCE FOR COAL MINES

As of September 30, 1993

Name of Project	Policy Number	Primary Insurance Company (Best's Rating) 1993	Effective Dates	"Accord" Form	XCU (Explosives)	Claims Made or Per Occurrence Retroactive Date	Cancellation Language	Certificate Holder (State of Utah- DOGM)
Intermountain Power Agency Horse Canyon ACT/007/013	XO 416A1A93	Associated Electric and Gas Insurance Services Limited	7/31/93- 7/31/94	No	Yes	Claims Made 06/09/86	Yes	Yes
Mountain Coal Co. Gordon Creek #2, #7 & #8 ACT/007/016	ISL GI 519134-A	Insurance Company of North America (A-)	01/01/93- 01/01/96	Yes	Yes	Occurrence	Yes	Yes
Mountain Coal Co. Gordon Creek #3 & #6 ACT/007/017	ISL GI 519134-A	Insurance Company of North America (A-)	01/01/93- 01/01/96	Yes	Yes	Occurrence	Yes	Yes
The Coastal Corporation Incl: Soldier Creek Coal Soldier Canyon ACT/007/018	MCD001405	Fidelity & Casualty Co. of New York (A-)	12/31/92- 12/31/93	Yes	Yes	Occurrence	Yes	Yes
Andalex Resources Centennial Mine ACT/007/019	3710-25-94	Federal Insurance Co. (A++)	07/01/93- 07/01/94	Yes	Yes	Occurrence	Yes	Yes
No. American Equities Blazon #1 ACT/007/021	MXC-802-39-441	Fireman's Fund Ins. Co. (A) Expired NOT RENEWED	11/22/90- 11/22/91	Yes	No	Occurrence	Yes (30 Days)	Yes
Mountain Coal Co. C. V. Spur ACT/007/022	ISL GI 519134-A	Insurance Company of North America (A-)	01/01/93- 01/01/96	Yes	Yes	Occurrence	Yes	Yes
Andalex Resources, Inc Wildcat Loadout ACT/007/033	3710-25-94	Federal Insurance Co. (A++)	07/01/93- 07/02/94	Yes	Yes	Occurrence	Yes	Yes

LIABILITY INSURANCE FOR COAL MINES

As of September 30, 1993

Name of Project	Policy Number	Primary Insurance Company (Best's Rating) 1993	Effective Dates	"Accord" Form	XCU (Explosives)	Claims Made or Per Occurrence Retroactive Date	Cancellation Language	Certificate Holder (State of Utah- DOGM)
Coastal Corporation Soldier Creek Coal Co. Banning Loadout ACT/007/034	MCD001405	Fidelity & Casualty Co. of New York (A-)	12/31/92- 12/31/93	Yes	Yes	Occurrence	Yes	Yes
(Savage Coal Service Contractor)	GL5407160RA	National Union Fire Insurance Co. (A++)	01/01/89- Until Cancelled	Yes		Occurrence		
Sunnyside Cogeneration Associates Environmental Power Corp. Sunnyside Refuse & Slurry ACT/007/035	3710-13-49	Federal Insurance Co. (A++)	7/30/93 to 7/30/94	Yes		Occurrence		
Western States Minerals J. B. King ACT/015/002	SI 1652592	Reliance Insurance Company (A-)	04/01/93- 04/01/94	Yes	No	Occurrence	No	Yes
Mountain Coal Co. Huntington #4 ACT/015/004	ISL GI 519134-A	Insurance Company of North America (A-)	01/01/93- 01/01/96	Yes	Yes	Occurrence	Yes	Yes
CalMat Co. Hidden Valley Coal Co. Hidden Valley Mine ACT/015/007	NH 960 7996	Industrial Indemnity Co. (A-)	07/01/93- 07/01/94	Yes	N/A	Occurrence	Yes	Yes
PacificCorp Trail Mountain Mine ACT/015/009	X0296A1A91	Associated Electric and Gas Insurance Services Limited	02/24/93- 02/24/94	Yes	Yes	Occurrence	Yes	Yes

LIABILITY INSURANCE FOR COAL MINES

As of September 30, 1993

Name of Project	Policy Number	Primary Insurance Company (Best's Rating) 1993	Effective Dates	"Accord" Form	XCU (Explosives)	Claims Made or Per Occurrence Retroactive Date	Cancellation Language	Certificate Holder (State of Utah- DOGM)
Consolidation Coal Co. Emery Mine ACT/015/015	3YL 945 4444	Lumbermens Mutual Casualty Co. (A)	01/01/93- 01/01/94	Yes	Yes	Occurrence	Yes	Yes
PacificCorp Des-Bee-Dove Mine ACT/015/017	X0296A1A91	Associated Electric and Gas Insurance Services Limited	02/24/93- 02/24/94	Yes	Yes	Claims Made 12/24/86	Yes	Yes
PacificCorp Deer Creek Mine ACT/015/018	X0296A1A91	Associated Electric and Gas Insurance Services Limited	02/24/93- 02/24/94	Yes	Yes	Claims Made 12/24/86	Yes	Yes
PacificCorp Cottonwood/Wilberg Mine ACT/015/019	X0296A1A91	Associated Electric and Gas Insurance Services Limited	02/24/93- 02/24/94	Yes	Yes	Claims Made 12/24/86	Yes	Yes
Co-Op Mining Co. Trail Canyon Mine ACT/015/021	GLM-10088	Homestead Insurance Co. (A)	01/01/93- 01/01/94	Yes	Yes	Occurrence	Yes	Yes
Co-Op Mining Co. Bear Canyon Mine ACT/015/025	LM-10088	Homestead Insurance Co. (A)	01/01/93- 01/01/94	Yes	Yes	Occurrence	Yes	Yes
Nevada Electric Investmt and its subsidiaries Crandall Canyon Mine ACT/015/032	3710-3989	Federal Insurance Company (Chubb Group) (A++)	01/01/93- 01/01/94	Yes	Yes	Occurrence	Yes	Yes
New Tech Mining Co. Black Jack #1 ABD/019/004	NO INSURANCE	(Permit Revoked)		No				

LIABILITY INSURANCE FOR COAL MINES

As of September 30, 1993

Name of Project	Policy Number	Primary Insurance Company (Best's Rating) 1993	Effective Dates	"Accord" Form	XCU (Explosives)	Claims Made or Per Occurrence Retroactive Date	Cancellation Language	Certificate Holder (State of Utah- DOGM)
Andalex Resources Inc. Smokey Hollow PRO/025/002	3710-25-94	Federal Insurance Co. (A + +)	07/01/92- 07/01/93	Yes	Yes	Occurrence	Yes	Yes
Utah International Inc. Alton Mine PRO/025/003	CCP-0016-0207	Transportation Insurance Company (A +)	04/02/87- Until Cancelled	No				
Coastal Corp. Etal c/o Energy Insurance Int'l Convulsion Canyon ACT/041/002	ZY51785	Old Republic Ins. Co. (A)	12/31/92- 12/31/93	Yes	Yes	Occurrence	No	Yes
BHP Petroleum (Amer) Inc c/o BHP-Utah International Knight Mine ACT/041/005	HC095991	Lloyds of London	11/13/92- 11/13/93	Yes	N/A	Occurrence	Yes	Yes
Summit Minerals, Inc. Summit #1 Mine REV/043/001	NO INSURANCE	(Permit Denied)		No				
Summit Coal Co. Boyer Mine ACT/043/008	GLP (89) 73164357	Federal Insurance Company (A + +) (Permit Revoked)	Bankrupt	No				

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UTAH COAL MINE ASSIGNMENTS

<u>PERMIT NO.</u>		<u>MINE NAME</u>	<u>COMPANY NAME</u>	<u>INSPECTOR</u>
"A" Team Mines - Permit Supervisor, Pamela Grubaugh-Littig				
ACT/025/003	F	Alton Mine	Utah International	*
PRO/007/036	F	B Canyon (Rio Carbon)	BXG/IPA	*
ACT/015/025	N	Bear Canyon	Co-Op Mining Co.	White
PRO/007/020	F	Blue Blaze	Blue Blaze Coal Co.	*
ACT/015/019	F	Cottonwood/Wilberg	PacifiCorp	Malencik
ACT/007/022	N	C.V. Spur	Mountain Coal Co.	Malencik
ACT/015/018	F	Deer Creek	PacifiCorp	Wyatt (Malencik)
ACT/015/017	F	Des-Bee-Dove	PacifiCorp	Malencik
CEP/055/001	N	Exploration	Gayland Coal Co.	
CEP/055/002	N	Exploration	Factory Butte Coal Co.	
CEP/017/003	N	Exploration	Hanksville Coal Co.	
PRO/017/001	N	Davies Mine	Garfield Coal Co.	*
ACT/007/016	F	Gordon Creek 2, 7 & 8	Mountain Coal Co.	Kelley
ACT/007/017	N	Gordon Creek 3 & 6	Mountain Coal Co.	Malencik
ACT/015/007	N	Hidden Valley	Hidden Valley Coal	Munson
ACT/007/013	F	Horse Canyon	Intermtn Power Agcy	White
ACT/015/004	F	Huntington #4	Mountain Coal Co.	White
ACT/015/002	N	J.B. King	Western States	Munson
ACT/007/006	F	Star Point	Cyprus Plateau Mining	Malencik
ACT/007/007	F	Sunnyside	Sunnyside Coal Co.	Sauer (Malencik)
ACT/007/035	N	Sunnyside Refuse & Slurry	Sunnyside Cogeneration	Malencik
ACT/015/021	N	Trail Canyon	Co-Op Mining Co.	White
ACT/015/009	F	Trail Mountain	PacifiCorp	Malencik
ACT/007/033	F	Wildcat Loadout	Andalex Resources	Kelley (Malencik)

"B" Team Mines - Permit Supervisor, Daron Haddock

ACT/007/034	F	Banning Loadout	Soldier Creek Coal	Demczak
ACT/007/001	F	Belina Complex	Valley Camp of Utah	Demczak
EXP/007/038	N	Blackhawk Site	Cyprus Western Coal Co.	Demczak
ACT/019/004	N	Blackjack Mine #1	New Tech Mining	*
ACT/007/021	N	Blazon Mine #1	No. American Equity	Harden (Demczak)
INA/043/008	N	Boyer Mine	Summit Coal Co.	Western
ACT/007/004	F	Castle Gate Mine	Amax Coal Company	Baker
ACT/007/019	F	Centennial Project	Andalex Resources	Demczak
ACT/041/002	F	Convulsion Canyon	Southern Utah Fuel	Western
ACT/015/032	F	Crandall Canyon	Genwal Coal Co.	Smith
ACT/015/015	F	Emery Deep Mine	Consolidation Coal	Demczak
ACT/007/011	F	Hiawatha Mines	U.S. Fuel	Demczak
ACT/041/005	N	Knight Mine	Utah International	Baker
ACT/007/005	F	Skyline Mine	Utah Fuel Company/Coastal	Demczak
ACT/007/018	F	Soldier Canyon	Soldier Creek Coal	Falvey
INA/043/001	N	Summit Minerals #1	Summit Minerals Co.	Western
PRO/025/002	F	Smoky Hollow/Warm Springs	Andalex Resources	*
ACT/007/012	N	Wellington Prep	Castle Valley Resources	Demczak



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September 30, 1993

TO: James W. Carter, Director
Lowell P. Braxton, Associate Director, Mining
Daron Haddock, Permit Supervisor

FROM: Pamela Grubaugh-Littig, Permit Supervisor *pgl*

RE: Coal Bond Status Report as of September 30, 1993

Attached is a copy of the current coal bond status report. Presently, the coal program has a total of \$49,099,568 in various forms of reclamation bonds.

Corporate Sureties (28)	\$39,672,804	> 80%
Irrevocable Letters of Credit (5)	\$ 3,978,002	> 8%
Subordination Agreements (Real Estate) (3)	\$ 3,034,762	> 6%
Self Bond (1)	\$ 2,329,000	< 5%
Certificate of Deposit (1)	\$ 75,000	< .5%
Cash (1)	<u>\$ 10,000</u>	< .5%
	\$49,099,568	

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Attachment
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COAL BONDS

As of October 1, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1993	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Valley Camp of Utah, Inc. Belina Mines Complex ACT/007/001	Yes (11/30/89)	79	\$2,300,000	Surety (Ridered)	Aetna Casualty & Surety Co. 25S100723365 (A)	12/7/91	\$29,114	8/24/84 (11/17/89)	Previous bond under Federal Insurance Company. Changed surety companies 12/7/91
Blackhawk Coal Company Willow Creek INA/007/002		4.2	(\$10,000) (Released)	Surety (Released)	Safeco Insurance Co. #5615354 (A++)	7/12/84 (7/30/90)	\$2381	12/24/84	Original Posted; (Released \$91,550 8/13/85) \$2,585,609 released 7/30/90; Final bond released 8/24/92
Amax Coal Industries Castle Gate Mine ACT/007/004	Yes (2/5/86)	134.5	\$2,683,603	Surety	National Fire Insurance Company Hartford #929-80-55 (A+)	1/31/86	\$19,952 Permit Transfer	12/24/84 (12/24/90)	
Coastal States Energy Skyline Mine ACT/007/005	Yes (12/1/89)	65.38	\$3,180,000	Surety	United Pacific Ins. Co. #U605244-6 (A-)	3/15/90 (5/31/90) (6/9/92)	\$48,639	6/20/80 (4/30/87) (5/1/92)	Original Bond Amount - \$1,850,500 (6/20/89); Bonds replaced 7/30/90; Rider added 3/15/90; Rider added 6/9/92; Reclamation Agreement being updated
Cyprus Plateau Mining Corp. Star Point Mine ACT/007/006	Yes (1/4/91)	173.2	\$4,830,000	Surety	Aetna Casualty & Surety Co. 64S100208576BCA (A)	11/26/85 (10/26/90)	\$27,887	(8/7/87) (1/28/92)	Reclamation Agreement Signed 11/2/90; Ridered "termination" language 9/91
Sunnyside Coal Company Sunnyside Mine ACT/007/007	Contract (12/11/89)	287.4	\$2,813,562	Combination	C.D. issued for \$75,000 at Zions First National Bank. First Deed of Trust for Undisturbed Land and Water Rights; Agreement 8/28/89	8/31/89	\$9,790	1/6/86 (1/6/91)	Escrow Agreement Finalized 6/90 3/13/89 Active Status; Transferred from Kaiser Coal Co. 5/26/89

COAL BONDS

As of October 1, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder** (Best's Rating) 1993	Year Date Posted (Ridered)	Cost per Acre	Date		Comments
								Original Permit Issued (5-Yr Renewal)	Permit Revoked	
Kaiser Coal Corp. Sunnyside Mine ACT/007/007	Special		(\$3,397,349)		Filed Chapter 11 2/13/87; Agreement with SRS 3/9/89; Transferred to SRS Replaced by SRS Bond	1/6/86				
Suneco Sage Point-Dugout Canyon REV/007/009		No Disturbance	(\$611,875) (Released)	Surety (Released)	Federal Insurance Co. #8090-86-10 (A++)	12/8/80		(Permit Revoked) 5/19/87	Bond released 5/19/87 No disturbance	
U. S. Fuel Co. Hiawatha Mines Complex ACT/007/011	Special	290	\$1,450,000 \$2,329,000	Surety Self Bond	Insurance Company of North America K01733369 (A-) DOGM and OSM	4/8/83 (12/16/86)	\$13,031	3/13/87 (3/13/92)		
Kaiser Coal Corp. Wellington Prep. Plant ACT/007/012	Yes	356	(\$4,360,775)	Self-Bond	Division of Oil, Gas and Mining; Filed Chapter 11 2/13/87; Replaced by Genwal ILOC	1/31/86 Permit Transferred 10/10/89	\$12,249	12/10/84	Bankrupt	
Castle Valley Resources Wellington Prep. Plant ACT/007/012	Yes (8/16/91)	356	\$2,969,000	Surety	Safeco Insurance Co. #5612986 (A++)	10/26/89 (5/27/93)	\$8,340	(12/10/89)	Permit Transfer to Genwal 10/10/89; Permit Transfer to Castle Valley Resources 12/5/91; Rider added 5/27/93	
Kaiser Coal Corp. Geneva (Horse Canyon Mine) ACT/007/013		50	(\$918,649)	Self Bond	Division of Oil, Gas and Mining, and OSM	Filed Chapter 11 2/13/87	\$18,373		Transferred from U.S. Steel 11/4/85	
Kaiser Coal Corp. Horse Canyon Mine ACT/007/013		50	(\$1,359,600)	Irrevocable Letter of Credit	Chase Manhattan Bank No. PG632732	4/12/90	27,192		Released by OSM 1/26/91; DOGM 1/27/91	

COAL BONDS

As of October 1, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1993	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Intermountain Power Agency Horse Canyon Mine ACT/007/013	Yes (7/3/90)	50	\$1,950,002	Irrevocable Letter of Credit	Zions First National Bank	7/2/90	39,000	5/6/91	IPA Acquired Horse Canyon Mine 4/5/90; Permit issued 5/6/91; Bond increased 5/3/91
Mountain Coal Co. Gordon Creek #2, 7 & 8 ACT/007/016	Yes (8/28/89)	17.58	\$641,443 (\$45,900)	Surety (Released)	United Pacific Insurance Co U-62-99-65 (A-) #8082-93-00 (A-)	8/14/87 11/22/77	\$36,487	8/27/84 (8/28/89)	Ridered "termination" language 9/91
Mountain Coal Co. Gordon Creek #3 & #6 ACT/007/017	No	17.3	\$138,400	Surety	United Pacific Insurance Co. U-629895 (A-) Phase I-Bond Release Effective 6/26/87 Ridered 7/13/87	9/19/86 7/13/87	\$8,000	9/19/86 (11/13/91)	Original Bond Amount \$346,000
Soldier Creek Coal Co. Soldier Canyon Mine ACT/007/018	Yes (5/2/91)	24	\$3,238,000	Surety	United Pacific Ins. Co. #U1712871-1 (A-)	9/15/93	134,916	6/10/85 (2/3/92)	Increased from \$577,000 5/2/91; Increased in conjunction with renewal. Transferred to Coastal 9/15/93.
Andalex Resources Centennial Project ACT/007/019	Yes (7/6/90)	34.2	\$381,839 \$699,000	Surety Surety	Utica Mutual Insurance SU34593 (A) & SU1354086	5/16/83 (7/3/90) (2/23/93)	\$31,603	1/4/82 (3/3/87) (1/3/92)	Increased to \$1,080,839 on 7/3/90
North American Equities Blazon #1 Mine REC/007/021	No	1.5	\$38,000 (Forfeited)	Irrevocable Letter of Credit \$43865	United Bank of Denver	5/5/89	\$25,333	11/12/85	LOC with First Interstate Bank replaced 2/91; Amount reduced from \$48,400 4/30/91; Bond forfeited 5/24/91- Cashier's Check to Division
Mountain Coal Co. C.V. Spur Mine ACT/007/022	Yes (8/7/89)	160	\$2,441,745	Surety	United Pacific Insurance Company (A-) U-629894	4/22/87	\$15,261	8/6/85 (8/6/89)	Ridered "termination" language 9/91

COAL BONDS

As of October 1, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1993	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Andalex Resources, Inc. Wildcat Loadout Facility ACT/007/033	Yes (5/5/89)	60	\$813,795	Surety	Continental Casualty Co. 400776222 (A+)	12/1/92	\$13,563	5/5/89	Changed from Pittsburgh National Bank in 4/92; Replaced ILOC 12/9/92
Soldier Creek Coal Co. Banning Siding Loadout ACT/007/034	Yes (10/20/88)	21.4	\$211,000	Surety	United Pacific Ins. Co. U1712871-8 (A-)	9/15/93	\$9,860	10/24/88	Transfer to Coastal States 9/15/93
Sunnyside Cogeneration Associates Sunnyside Refuse & Slurry ACT/007/035	Yes (1/25/93)	202	\$1,500,000	Irrevocable Letter of Credit	First Security Bank S-09742-00018	1/22/93	\$7,426	2/4/93	Permit Issued 2/4/93; Double bonded with Sunnyside Permit Area until removed
Cyprus Plateau Mining Corp. Blackhawk Exploration Site CEP/007/038	No	3.1	\$50,000	Surety	Aetna Casualty & Surety Company 64S100767004BCA (A)	9/21/92	\$16,129		Exploration Project
Western States Minerals J. B. King Mine ACT/015/002	No	28	\$126,078	Surety	Seaboard Surety Co. #104570 (A+) Phase I Bond Release (effective 5/20/86) Ridered-4/28/86	(4/28/86)	\$4,503	8/13/85 (8/13/90)	Original Bond Amount - \$262,577
Mountain Coal Co. Huntington #4 Mine ACT/015/004	No	12.5	\$144,042	Surety	United Pacific Ins. Co. #U-630694 (A-)(Phase I-60% bond release effective 11/10/86 rider - 12/31/86)	4/15/85 (12/12/86) (7/8/88)	\$11,523	4/29/85 (4/29/90)	Original Bond Amount - \$360,102; Ridered "termination" language 9/91
Hidden Valley Coal Co. Hidden Valley Mine REC/015/007	No	6.7	\$68,606	Surety	St. Paul Fire & Marine Ins. Co. #400 HJ 8041 (A+) Phase I bond release effective 7/17/88	12/30/88 (7/17/88)	\$10,240	1/28/87 (1/29/92)	Original Bond Amount - \$171,515

COAL BONDS

As of October 1, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1993	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
PacifiCorp Trail Mountain Mine ACT/015/009	Yes (10/12/92)	9.45	\$700,000	Surety	American Casualty Co. of Reading, PA #700819575 (A+)	9/29/92	74,074	2/21/85 (2/21/90)	Federal Mine Approval Tract 1 & 2 Transfer effective 11/23/87; Federal Lease Tract approved 5/15/91; Ridered "termination" language 9/91; Ridered increased amount and disturbance on 4/28/92 (from \$463,711 and 8.8 acres). Transferred from Mountain Coal Company to PacifiCorp 11/13/92
Consolidation Coal Co. Emery Deep Mine ACT/015/015	Yes (8/10/92)	247	\$3,454,443 (for mine & prep plant areas)	Surety	Seaboard Surety #188617 (A+)	12/11/85 (5/3/91)	\$13,986	6/8/82 & 1/7/86 (1/8/91)	
PacifiCorp Des-Bee-Dove Mine ACT/015/017	Yes (12/13/90)	74.5	\$1,837,712	Surety	American Casualty Co. of Reading, PA. #926-00-83 (A+)	1/25/85 (12/6/90)	\$24,667	8/29/85 (5/31/91)	New Bond Submitted for PacifiCorp 12/90; Ridered "termination" language 9/91
PacifiCorp Deer Creek Mine ACT/015/018	Yes (12/13/90)	56	\$2,000,000	Surety	American Casualty Co. of Reading, PA. #927-21-58 (A+) Rider effective 9/17/92	3/15/85 (9/17/92)	\$35,714	2/7/86 (2/7/91)	Waste Rock Storage Added 9/88; Original Bond Amount - \$1,224,000; New Bond Submitted for PacifiCorp 12/90; Ridered "termination" language 9/91; Increased from \$1,724,000 to include amendment changes 9/92

COAL BONDS

As of October 1, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1993	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
PacifiCorp Cottonwood/Millberg Mine ACT/015/019	Yes (12/13/90)	66.92	\$2,071,098	Surety	American Casualty Co. of Reading, PA. #924-98-19 (A+)	6/15/84 (11/3/89) (6/7/90) (11/13/90)	\$30,949	7/6/84 (7/6/89)	Original Bond Amount-\$1,294,522 Ridered 6/7/90 for Waste Rock Site - \$1,586,008 (New Bond Submitted 11/20/90 for PacifiCorp with revised amount); Ridered "termination" language 9/91
Co-Op Mining Co. Trail Canyon Mine ACT/015/021	No	10	\$200,000	Irrevocable Letter of Credit	West One Bank #S-557	6/15/89	\$20,000	5/30/89	Automatically Renewable
Co-Op Mining Co. Bear Canyon Mine ACT/015/025	Yes (8/11/89)	10	\$290,000	Irrevocable Letter of Credit	Capital City Bank #1055	Amended 10/20/92 (for C.W. Mining) Expires 10/24/94	\$29,000	11/1/85 (5/20/91)	Automatically Renewable
Genwal Coal Co. Crandall Canyon Mine ACT/015/032	Yes (6/13/89)	9.7	\$703,000	Surety	Safeco Ins. Co. #4689175 (A++)	5/10/90	\$72,474	(6/14/89)	Replaced ILOC 7/30/90 with Surety. Rider 9/21/93
Genwal Coal Co. Crandall Canyon Mine ACT/015/032	No	5.1	\$10,000	Cash	(Mohrland Loadout)	7/11/88	1,961		Still held but should probably be released
New Tech Mining Co. (Exploration) Black Jack #1 Mine ACT/019/004		7.2	(\$30,534)	Escrow Account	First Interstate Bank #72-3024-006 Revoked Permit 9/88	1/23/84 & 12/14/79	\$4,241		Bond forfeited; Division preparing reclamation contract to complete reclamation in 1992; Reclamation completed November 1992

COAL BONDS

As of October 1, 1993

Page 7

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1993	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Coastal States Energy Co. Southern Utah Fuel Co. Convulsion Canyon Mine ACT/041/002	Yes (8/26/88)	69.70	\$1,690,000	Surety	United Pacific Insurance Co. U605244-14 (A-)	4/12/91 (7/23/92)	\$24,247	5/19/87 (6/20/92)	Ridered 7/23/92; Reclamation Agreement updated 2/25/93
Coal Search Corp. Knight Mine ACT/041/005	Yes (85 version)	40	\$800,000	Surety	Seaboard Surety Co. #164898 (A+)	9/16/90	\$20,000	10/31/88	Federal Ins. Co. Surety replaced 9/16/90; Phase I Bond Release is pending
Summit Minerals Blackhawk Mine REV/043/001	No	19	\$120,300	Subord. Agreement	Division (Real Estate in Wallsburg, UT) (Permit Denied)	6/4/86	\$6,332	2/26/88 Permit Denial	In process of selling collateral bond
Summit Coal Co. Boyer Mine ACT/043/008	No	7	\$100,900	Subord. Agreement	Division (Real Estate in Park City, Utah) Permit Revoked 8/4/89	8/2/85	\$14,414	5/15/87	Collateral Bond has been sold and money in possession of State

*All of the bonding companies are listed in the Federal Register, July 1, 1992, the Department of Treasury listing of Surety Companies acceptable on Federal bonds.

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R647-4- LARGE MINING OPERATIONS

101. *Filing Requirements and Review Procedures*
102. *Duration of the Notice of Intention*
103. *Notice of Intention to Commence Large Mining Operations*
104. *Operator(s) Surface and Mineral Owner(s)*
105. *Maps, Drawings and Photographs*
106. *Operation Plan*
107. *Operation Practices*
108. *Hole Plugging Requirements*
109. *Impact Assessment*
110. *Reclamation Plan*
111. *Reclamation Practices*
112. *Variance*
113. *Surety*
114. *Failure to Reclaim*
115. *Confidential Information*
116. *Public Notice and Appeals*
117. *Notification of Suspension or Termination of Operations*
118. *Revisions*
119. *Amendments*
120. *Transfer of a Notice of Intention*
121. *Reports*
122. *Practices and Procedures; Appeals*

Forms to be used in conjunction with the Rules:

FORM MR-LMO	<i>Notice of Intention to Commence Large Mining Operations</i>
FORM MR-RC	<i>Reclamation Contract</i>
FORM MR-REV	<i>Notice of Intention to Revise Large Mining Operations</i>
FORM MR-AR	<i>Annual Report of Mining Operations</i>
FORM MR-TRL	<i>Transfer of Notice of Intention - Large Mining Operations</i>

R647-4-101. Filing Requirements and Review Procedures.

A Notice of Intention to Commence Large Mining Operations (FORM MR-LMO) or a letter containing all the required information must be approved by the Division before mining operations begin.

Previously exempt mining operations as defined by Rule R647-1-106 which have a disturbed area greater than five (5) surface acres and which will continue or resume mining operations, must submit a Notice of Intention to Commence Large Mining Operations (FORM MR-LMO) by April 29, 1989. Upon Division receipt of the notice of intention, the operator will be authorized to continue such existing operations until approval of the notice of intention is obtained. Such approval shall be obtained by the operator within one (1) year from the date of

submission of the notice of intention unless an extension is granted by the Division.

1. Within 30 days after receipt of a Notice of Intention, or within 30 days after receipt of any subsequent submittal, the Division will complete its review and notify the operator in writing:
 - 1.11. That the notice of intention is complete; or
 - 1.12. That the notice of intention is incomplete, and that additional information as identified by the Division will be required.
2. Within 30 days after receipt of the notice of intention or within 30 days following the last action of the operator or Division on the notice of intention, the Division shall reach a tentative decision with respect to the approval or denial of the notice of intention.

Notice of the tentative decision will then be published in accordance with Rule R647-4-116.

3. Division approval of the notice of intention and execution of the Reclamation Contract (FORM MR-RC) by the operator shall bind the Division and the operator in accordance with the Act and implementing regulations; and, shall enable the operator to conduct mining and reclamation activities in accordance therewith.
4. The operator must notify the Division within 30 days of beginning mining operations.

R647-4-102. Duration of the Notice of Intention.

The approved notice of intention, including any subsequently approved amendments or revisions, shall remain in effect for the life of the mine. However, the Division may review the permit and require updated information and modifications when warranted.

R647-4-103. Notice of Intention to Commence Large Mining Operations.

The notice of intention shall address the requirements of the following rules:

RULE #	SUBJECT
R647-4-104	Operator(s), Surface and Mineral Owner(s)
R647-4-105	Maps, Drawings and Photographs
R647-4-106	Operation Plan
R647-4-108	Hole Plugging Requirements
R647-4-109	Impact Assessment
R647-4-110	Reclamation Plan
R647-4-112	Variance

conditions. These photographs should show the general appearance and condition of the land to be affected and should be clearly marked as to the location, orientation and the date that the pictures were taken.

R647-4-106. Operation Plan.

The operator shall provide a narrative description referencing maps or drawings as necessary, of the proposed operations including:

1. Type of mineral(s) to be mined;
2. Type of operations to be conducted, including the mining/processing methods to be used on-site, and the identification of any deleterious or acid forming materials present or to be left on the site as a result of mining or mineral processing;
3. Estimated acreages proposed to be disturbed and/or reclaimed annually or sequentially;
4. A description of the nature of the materials to be mined or processed including waste/overburden materials and the estimated annual tonnages of ore and waste materials to be mined;
5. A description of existing soil types, including the location and extent of topsoil or suitable plant growth material. If no suitable soil material exists, an explanation of the conditions shall be given;
6. A description of the plan for protecting and redepositing existing soils;
7. A description of existing vegetative communities and cover levels, sufficient to establish revegetation success standards in accordance with Rule R647-4-111;
8. Depth to groundwater, extent of overburden material and geologic setting;
9. Proposed location and size of ore and waste stockpiles, tailings facilities and water storage/treatment ponds.

R647-4-107. Operation Practices.

During operations, the operator shall conform to the following practices unless the Division grants a variance in writing:

1. Public Safety and Welfare - The operator shall minimize hazards to the public safety and welfare

during operations. Methods to minimize hazards shall include but not be limited to:

- 1.11. The closing or guarding of shafts and tunnels to prevent unauthorized or accidental entry in accordance with MSHA regulations;
- 1.12. The disposal of trash, scrap metal and wood, and extraneous debris;
- 1.13. The plugging or capping of drill, core, or other exploratory holes as set forth in Rule R647-4-108;
- 1.14. The posting of appropriate warning signs in locations where public access to operations is readily available;
- 1.15. The construction of berms, fences and/or barriers above highwalls or other excavations when required by the Division.
2. Drainages - If natural channels are to be affected by the mining operation, then the operator shall take appropriate measures to avoid or minimize environmental damage.
3. Erosion Control - Operations shall be conducted in a manner such that sediment from disturbed areas is adequately controlled. The degree of erosion control shall be appropriate for the site-specific and regional conditions of topography, soil, drainage, water quality or other characteristics.
4. Deleterious Materials - All deleterious or potentially deleterious material shall be safely removed from the site or kept in an isolated condition such that adverse environmental effects are eliminated or controlled.
5. Soils - Suitable soil material shall be removed and stored in a stable condition where practical so as to be available for reclamation.
6. Concurrent Reclamation - During operations, disturbed areas shall be reclaimed when no longer needed, except to the extent necessary to preserve evidence of mineralization for proof of discovery. Areas which have been disturbed but are not routinely or currently utilized shall be kept in a safe, environmentally stable condition.

R647-4-108. Hole Plugging Requirements.

Drill holes shall be properly plugged as soon as practical and shall not be left unplugged for more than 30 days without approval of the Division. The procedures outlined below are required for the surface and subsurface

pits and ponds, piles, shafts and adits, drill holes, and similar structures will be reclaimed;

3. A detailed description of any surface facilities to be left as part of the postmining land use, including but not limited to buildings, utilities, roads, pads, ponds, pits and surface equipment;
4. A description of the treatment, location and disposition of any deleterious or acid-forming materials generated and left on-site, including a map showing the location of such materials upon the completion of reclamation;
5. A planting program as best calculated to revegetate the disturbed area.
 - 5.11. Plans shall include, at a minimum, grading and/or stabilization procedures, topsoil replacement, seed bed preparation, seed mixture(s) and rate(s), and timing of seeding (fall seeding is preferred timing);
 - 5.12. Where there is no original protective cover, an alternate practical procedure must be proposed to minimize or control erosion or siltation.

R647-4-111. Reclamation Practices.

During reclamation, the operator shall conform to the following practices unless the Division grants a variance in writing:

1. Public Safety and Welfare - The operator shall minimize hazards to the public safety and welfare following completion of operations. Methods to minimize hazards shall include but not be limited to:
 - 1.11. The permanent sealing of shafts and tunnels;
 - 1.12. The disposal of trash, scrap metal and wood, buildings, extraneous debris, and other materials incident to mining;
 - 1.13. The plugging of drill, core, or other exploratory holes as set forth in Rule R647-4-108;
 - 1.14. The posting of appropriate warning signs in locations where public access to operations is readily available;
 - 1.15. The construction of berms, fences and/or barriers above highwalls or other excavations when required by the Division.

2. Drainages - If natural channels have been affected by mining operations, then reclamation must be performed such that the channels will be left in a stable condition with respect to actual and reasonably expected water flow so as to avoid or minimize future damage to the hydrologic system.
3. Erosion Control - Reclamation shall be conducted in a manner such that sediment from disturbed areas is adequately controlled. The degree of erosion control shall be appropriate for the site-specific and regional conditions of topography, soil, drainage, water quality or other characteristics.
4. Deleterious Materials - All deleterious or potentially deleterious material shall be safely removed from the site or left in an isolated or neutralized condition such that adverse environmental effects are eliminated or controlled.
5. Land Use - The operator shall leave the on-site area in a condition which is capable of supporting the postmining land use.
6. Slopes - Waste piles, spoil piles and fills shall be regraded to a stable configuration and shall be sloped to minimize safety hazards and erosion while providing for successful revegetation.
7. Highwalls - In surface mining and in open cuts for pads or roadways, highwalls shall be reclaimed and stabilized by backfilling against them or by cutting the wall back to achieve a slope angle of 45 degrees or less.
8. Roads and Pads - On-site roads and pads shall be reclaimed when they are no longer needed for operations. When a road or pad is to be turned over to the property owner or managing agency for continuing use, the operator shall turn over the property with adequate surface drainage structures and in a condition suitable for continued use.
9. Dams and Impoundments - Water impounding structures shall be reclaimed so as to be self-draining and mechanically stable unless shown to have sound hydrologic design and to be beneficial to the postmining land use.
10. Trenches and Pits - Trenches and small pits shall be reclaimed.
11. Structures and Equipment - Structures, rail lines, utility connections, equipment, and debris shall be buried or removed.

may, after notice and hearing, order that reclamation be conducted by the Division and that:

1. The costs and expenses of reclamation, together with costs of collection including attorney's fees, be recovered in a civil action brought by the attorney general against the operator in any appropriate court; or
2. Any surety filed for this purpose be forfeited. With respect to the surety filed with the Division, the Board shall request the Attorney General to take the necessary legal action to enforce and collect the amount of liability. Where surety or a bond has been filed with the Division of State Lands and Forestry or an agency of the federal government, the Board shall notify such agency of the hearing findings, and request that the necessary forfeiture action be taken.

R647-4-115. Confidential Information.

Information provided in the notice of intention relating to the location, size, and nature of the mineral deposit, and marked confidential by the operator, shall be protected as confidential information by the Board and the Division. The information will not be a matter of public record until a written release is received from the operator, or until the notice of intention is terminated.

R647-4-116. Public Notice and Appeals.

1. Public notice will be deemed complete when the following actions have been taken:
 - (1.) A description of the disturbed area and the tentative decision to approve or disapprove the notice of intention shall be published by the Division in abbreviated form, one time only, in all newspapers of general circulation published in the county or counties where the land affected is situated, and in a daily newspaper of general circulation in Salt Lake City, Utah.
 - (2.) A copy of the abbreviated information and tentative decision shall also be mailed by the Division to the zoning authority of the county or counties in which the land affected is situated and to the owner or owners of record of the land affected, as described in the notice of intention.
2. Any person or agency aggrieved by the tentative decision may file a written protest with the Division, during the public comment period identified in the

notice, setting forth factual reasons for the complaint.

3. If no responsive written protests are received by the Division within 30 days after the last date of publication, the tentative decision of the Division on the notice of intention shall be final and the operator will be so notified.
4. If written objections of substance are received by the Division during the public comment period, a hearing shall be held before the Board in accordance with UCA 40-8-9, following which hearing the Board shall issue its decision.

R647-4-117. Notification of Suspension or Termination of Operations.

1. The operator need not notify the Division of the temporary suspension of mining operations.
2. In the case of a termination or a suspension of mining operations that has exceeded, or is expected to exceed two (2) years, the operator shall, upon request, furnish the Division with such data as it may require to evaluate the status of the mining operation, the status of compliance with these rules, and the probable future status of the land affected. Upon review of such data, the Division will take such action as may be appropriate. The Division may grant an extended suspension period if warranted.
3. The operator shall give the Division prompt written notice of a termination or suspension of large mining operations expected to exceed five (5) years. Upon receipt of notification, the Division shall, within 30 days, make an inspection of the property.
4. Large mining operations that have been approved for an extended suspension period will be reevaluated on a regular basis. Additional interim reclamation or stabilization measures may be required in order for a large mining operation to remain in a continued state of suspension. Reclamation of a large mining operation may be required after five (5) years of continued suspension. The Division will require complete reclamation of the mine site when the suspension period exceeds 10 years, unless the operator appeals to the Board prior to the expiration of said 10-year period for a longer suspension period.

R647-4-118. Revisions.

1. In order to revise a notice of intention, an operator shall file a Notice of Intention to Revise Large

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40-8-1. Short title.
This act shall be known and may be cited as the "Utah Mined Land Reclamation Act."
1975

40-8-2. Legislative findings.
(1) A mining industry is essential to the economic and physical well-being of the state of Utah and the nation.
(2) It is necessary to alter the surface of the earth to extract minerals required by our society, but this should be done in such a way as to minimize undesirable effects on the surroundings.
(3) Mined land should be reclaimed so as to prevent conditions detrimental to the general safety and welfare of the citizens of the state and to provide for the subsequent use of the lands affected. Reclamation requirements must be adapted to the diversity of topographic, chemical, climatic, biologic, geologic, economic, and social conditions in the areas where mining takes place.
1975

CHAPTER 8

MINED LAND RECLAMATION

Section
40-8-1. Short title.
Legislative findings.
40-8-2. Purpose.
Definitions.
Authority to enforce chapter — Coordination of procedures — Department of Environmental Quality.
40-8-3. Board — Powers, functions and duties.
40-8-4. Board and division — Authority — No retroactive effect for rules.
40-8-5. Board authority to act — Entry of order — Confidential data — Proceedings in case of violations.
40-8-6. Evasion of chapter or rules — Penalties — Limitations of actions.
40-8-7. Notices.
40-8-8. Budget of administrative expenses — Procedure — Division authority to appoint or employ consultants.
40-8-9. Objectives.
40-8-10. Reclamation required.
40-8-11. Notices of intention required prior to mining operations — Assurance of reclamation required in notice of intention — When contents confidential — Approval of notice of intention not required for small mining operations — Procedure for reviewing notice of intention.
40-8-12. Surety requirement — Liability of small mining operations for failure to reclaim — Forfeiture of surety.
40-8-13. Notice of commencement to division — Operations and progress report.
40-8-14. Approved notice of intention valid for life of operation — Withdrawal, withholding, or refusal of approval — Procedure and basis.
40-8-15. Responsibility of operator to comply with applicable rules, regulations and ordinances — Inspections.
40-8-16. Revised notices of intention authorized — Procedure.
40-8-17. Transfer of mining operation under approved notice of intention.
40-8-18. Applicability.
40-8-19. Temporary suspension or termination of operations — Notice to division — Evaluation and inspection — Release of surety — Evidence of compliance.
40-8-20. Division cooperation — Agreements.
40-8-21. Effective dates — Exceptions.
1987

MINES AND MINING

(1) develop and implement an inspection program that will include but not be limited to production data, pre-drilling checks, and site security reviews;
(2) publish a monthly production report;
(3) publish a monthly gas processing plant report;
(4) review and evaluate, prior to a hearing, evidence submitted with the petition to be presented to the board;
(5) require adequate assurance of approved water rights in accordance with rules and orders enacted under Section 40-6-6; and
(6) notify the county executive of the county in which the drilling will take place in writing of the issuance of a drilling permit.
1983

40-6-17. Cooperative research and development projects.
The Board and the Division of Oil, Gas and Mining are authorized to enter into cooperative agreements with the national, state or local governments, and with independent organizations and institutions for the purpose of carrying out research and development experiments involving energy resources to the extent that the project is funded or partially funded and approved by the Legislature.
1983

40-6-18. Lands subject to chapter.
This act shall apply to all lands in the State of Utah, lawfully subject to its police power, and shall apply to lands of the United States or the lands subject to the jurisdiction of the United States.
1983

CHAPTER 7

OIL AND GAS COMPACT

Section
40-7-1. Interstate compact to conserve oil and gas — Authority for governor to join.
40-7-2. Authority for governor to execute extensions or withdraw from compact.
40-7-3. Official representative — Assistant representative.
40-7-4. Interstate compact to conserve oil and gas — Authority for governor to join.
The governor of the state of Utah is authorized and directed, for and in the name of the state of Utah to join with the other states in the Interstate Oil Compact to Conserve Oil and Gas, which was executed in Dallas, Texas, on the 16th day of February, 1935, and has been extended to the 1st day of September, 1959, with the consent of Congress, and that said compact and all extensions are now on deposit with the department of state of the United States.
1987

40-7-2. Authority for governor to execute extensions or withdraw from compact.
The governor of the state of Utah is authorized and empowered, for and in the name of the state of Utah to execute agreements for further extension of the expiration date of said compact to conserve oil and gas, and to determine if and when it shall be to the best interest of the state of Utah to withdraw from said compact upon sixty days' notice as provided by its terms. In the event that he shall determine that the state shall withdraw from said compact he shall have the power and authority to give necessary notice and to take any and all steps necessary and proper to effect the withdrawal of the state of Utah from said compact.
1987

40-8-1. Short title.
This act shall be known and may be cited as the "Utah Mined Land Reclamation Act."
1975

40-8-2. Legislative findings.
(1) A mining industry is essential to the economic and physical well-being of the state of Utah and the nation.
(2) It is necessary to alter the surface of the earth to extract minerals required by our society, but this should be done in such a way as to minimize undesirable effects on the surroundings.
(3) Mined land should be reclaimed so as to prevent conditions detrimental to the general safety and welfare of the citizens of the state and to provide for the subsequent use of the lands affected. Reclamation requirements must be adapted to the diversity of topographic, chemical, climatic, biologic, geologic, economic, and social conditions in the areas where mining takes place.
1975

40-8-3. Purpose.
The purpose of this act is to provide that from the effective date of the act, except as otherwise provided in this act, all mining in the state shall include plans for reclamation of the land affected.
1975

40-8-4. Definitions.
As used in this chapter:
(1) (a) "Approved notice of intention" means a formally filed notice of intention to commence mining operations, including revisions to it, which has been approved under Section 40-8-13.
(b) An approved notice of intention is not required for small mining operations.
(2) "Board" means the Board of Oil, Gas and Mining.
(3) (a) "Deposit" or "mineral deposit" means an accumulation of mineral matter in the form of consolidated rock, unconsolidated material, solutions, or otherwise occurring on the surface, beneath the surface, or in the waters of the land from which any product useful to man may be produced, extracted, or obtained or which is extracted by underground mining methods for underground storage.
(b) "Deposit" or "mineral deposit" excludes sand, gravel, rock aggregate, water, geothermal steam, and oil and gas as defined in Title 40, Chapter 6, but includes oil shale and bituminous sands extracted by mining operations.
(4) "Development" means the work performed in relation to a deposit following its discovery but prior to and in contemplation of production mining operations, aimed at, but not limited to, preparing the site for mining operations, defining further the ore deposit by drilling or other means, conducting pilot plant operations, constructing roads or ancillary facilities, and other related activities.
(5) "Division" means the Division of Oil, Gas and Mining.
(6) (a) "Exploration" means surface-disturbing activities conducted for the purpose of discovering a deposit or mineral deposit, delineating the boundaries of a deposit or mineral deposit, and identifying regions or special deposit.
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cific areas in which deposits or mineral deposits are most likely to exist.
(b) "Exploration" includes, but is not limited to: sinking shafts; tunneling; drilling of holes and digging pits or cuts; building of roads, and other access ways; and constructing and operating other facilities related to these activities.

(7) "Land affected" means the surface and subsurface of an area within the state where mining operations are being or will be conducted, including, but not limited to: (a) on-site private ways, roads, and railroads; (b) land excavations; (c) exploration sites; (d) drill sites or workings; (e) refuse banks or spoil piles; (f) evaporation or settling ponds; (g) stockpiles; (h) leaching dumps; (i) placer areas; (j) tailings ponds or dumps; and (k) work, parking, storage, or waste discharge areas, structures, and facilities. All lands shall be excluded that would otherwise be includable as land affected but which have been reclaimed in accordance with an approved plan or otherwise, as may be approved by the board, and lands in which mining operations have ceased prior to July 1, 1977.

(8) (a) "Mining operation" means those activities conducted on the surface of the land for the exploration for, development of, or extraction of a mineral deposit, including, but not limited to, surface mining and the surface effects of underground and in situ mining, on-site transportation, concentrating, milling, evaporation, and other primary processing.
(b) "Mining operation" does not include: the extraction of sand, gravel, and rock aggregates; the extraction of oil and gas as defined in Title 40, Chapter 6; the extraction of geothermal steam; smelting or refining operations; off-site operations and transportation; or reconnaissance activities and activities which will not cause significant surface resource disturbance or involve the use of mechanized earth-moving equipment such as bulldozers or backhoes.

(9) "Notice of intention" means a notice to commence mining operations, including revisions to the notice.
(10) "Off-site" means the land areas that are outside of or beyond the on-site land.

(11) "On-site" means the surface lands on or under which surfaces or underground mining operations are conducted. A series of related properties under the control of a single operator but separated by small parcels of land controlled by others will be considered a single site unless excepted by the division.

(12) "Operator" means any natural person, corporation, association, partnership, receiver, trustee, executor, administrator, guardian, fiduciary, agent, or other organization or representative of any kind, either public or private, owning, controlling, or managing a mining operation or proposed mining operation.

(13) "Owner" means any natural person, corporation, association, partnership, receiver, trustee, executor, administrator, guardian, fiduciary, agent, or other organization or representative of any kind, either public or private, owning, controlling, or managing a mineral deposit or the surface of lands employed in mining operations.

(b) All persons known to be affected by the violation, and the alleged violators, shall be given opportunity to be heard.

(c) If, following this hearing, the board finds a violation, it may:

- (i) Issue an abatement or compliance order;
- (ii) bring suit in the name of the state to restrain the violator from continuing the violation in any court in the state having jurisdiction in the county of residence of any defendant or in the county where the violation is alleged to have occurred;
- (d) In that suit, the court may grant injunctions, prohibitory and mandatory, including temporary restraining orders and temporary injunctions.
- (e) Failure to comply with the terms of any injunction or order issued by the court is prima facie evidence of contempt and is punishable by the imposition of a penalty not to exceed \$1,000 per day for each day of contempt, in addition to any fine otherwise imposed for the violation of this chapter.
- (4) If a suit is filed against an operator, and a preliminary injunction or temporary restraining order is issued that would result in an operator being ordered to close his mining operation, the party instituting the lawsuit shall give security according to Rule 65A(c) of the Utah Rules of Civil Procedure.

40-8-9. Evasion of chapter or rules — Penalties — Limitations of actions.

- (1) Any person, owner, or operator who willfully or knowingly evades this chapter, or who for the purpose of evading this chapter or any rule or order issued under this chapter, willfully or knowingly makes or causes to be made any false entry in any report, record, account, or memorandum required by this chapter, or by the rule or order, or who willfully or knowingly omits or causes to be omitted from any report, record, account, or memorandum, full, true, and correct entries as required by this chapter, or by the rule or order, or who willfully or knowingly removes from this state or destroys, mutilates, alters, or falsifies any record, account, or memorandum, is guilty of a misdemeanor and, upon conviction, is subject to a fine of not more than \$10,000 for each violation.
- (2) Each day of willful failure to comply with an emergency order is a separate violation.
- (3) No suit, action, or other proceeding based upon a violation of this chapter, or any rule or order issued under this chapter, may be commenced or maintained unless the suit, action, or proceeding is commenced within two years from date of the alleged violation.

40-8-10. Notice.

Except as otherwise provided in this chapter, any notification required by this chapter shall be given by the board or division by personal service to individuals directly affected and by one publication in a daily newspaper of general circulation in Salt Lake City, Utah, and in all newspapers of general circulation published in the county or counties in which the land affected is situated.

40-8-11. Budget of administrative expenses — Procedure — Division authority to appoint or employ consultants.

- (1) The division, with the approval of the board, shall prepare a budget of the administrative expenses

existing and proposed operations; and information relating to volumes of materials moved or proposed to be moved or extracted, which are related to mined land reclamation;

(c) the plugging or capping of drill holes and the closing of shafts and tunnels, made in mining operations after those facilities have served their intended purposes;

(d) the reclamation of lands affected by mining operations after the effective date of this chapter having due regard for innate differences in mineral deposits;

(e) for mining operations other than small mining operations, the furnishing and maintenance of reasonable surety to guarantee the performance of the duty to reclaim the land affected in accordance with approved plans based upon on-site conditions; to treat each drill hole, shaft, or tunnel as may be required; and to pay legally determined public liability and property damage claims resulting from mining operations. The board shall promulgate rules concerning surety for mining operations;

(f) that every operator who conducts mining operations in the state maintain suitable records and make periodic reports to the division in furtherance of the purposes of this chapter;

(g) that with respect to all mining operations, a notice of intention is filed with and, if required by this chapter, approved by the division before any such mining operations are commenced or continued pursuant to Section 40-8-23;

(h) the suspension of mining operations in case of emergency conditions;

(i) the payment of fixed, uniform, non-escalating permit fees; or

(j) that mining operations be conducted so as to minimize or prevent hazards to public health and safety.

(2) No rule established by the board with respect to mined land reclamation shall have retroactive effect on existing reclamation plans included as a part of an approved notice of intention to commence mining operations which was approved prior to the effective date of the rule.

40-8-8. Board authority to act — Entry of order in case of violations.

- (1) The board may act by:
 - (a) filing a notice of agency action; or
 - (b) responding to a request for agency action initiated by any affected person.
- (2) (a) The board shall enter its order within 60 days after the hearing.
- (b) All orders entered by the board shall be:
 - (i) entered in books to be kept by the board for that purpose;
 - (ii) indexed; and
 - (iii) public records open for inspection at all times during reasonable office hours.
- (3) Confidential data disclosed under this chapter shall be protected and not become public records, except as provided in Subsection 40-8-13(2).
- (4) Whenever it appears that any person, owner, or operator is violating any provision of this chapter, or any rule or order made under the authority of this chapter, the board shall file a notice of agency action, and shall hold an adjudicative proceeding.

(14) "Reclamation" means actions performed during or after mining operations to shape, stabilize, revegetate, or otherwise treat the land affected in order to achieve a safe, stable, ecological condition and use which will be consistent with local environmental conditions.

(15) "Small mining operations" means mining operations which disturb or will disturb five or less surface acres at any given time.

40-8-5. Authority to enforce chapter — Coordination of procedures — Department of Environmental Quality.

(1) The board and the division have jurisdiction and authority over all persons and property, both public and private, necessary to enforce the provisions of this chapter. Any delegation of authority to any other state officer, board, division, commission, or agency to administer any or all other laws of this state relating to mined land reclamation is withdrawn and the authority is unqualifiedly conferred upon the board and division as provided in this chapter. Nothing in this chapter, however, shall affect in any way the right of the landowner or the Board of State Lands or other agency having proprietary authority, under other provisions of law to administer lands within the state, to include in any lease, license, bill of sale, deed, right-of-way, permit, contract, or other instrument, conditions as appropriate, provided that the conditions are not inconsistent with this chapter and the rules adopted under it.

(2) Where federal or local laws or regulations require operators to comply with mined land reclamation procedures separate from those provided for in this chapter, the board and division will make every effort to have its rules and procedures accepted by the other governing bodies as complying with their respective requirements. The objective in coordination is to minimize the need for operators and prospective operators to undertake duplicating, overlapping, or conflicting compliance procedures.

(3) Nothing in this chapter is intended to abrogate or interfere with any powers or duties of the Department of Environmental Quality.

40-8-6. Board — Powers, functions and duties. In addition to those provided in Title 40, Chapter 6, the board has the following powers, functions, and duties:

- (1) To enact rules according to the procedures and requirements of Title 63, Chapter 46a, that are reasonably necessary to carry out the purposes of this chapter.
- (2) To hold hearings and to issue orders or other appropriate instruments based upon the results of those hearings.
- (3) To issue emergency orders according to the requirements and provisions of Title 63, Chapter 46b.
- (4) To do all other things and take such other actions within the purposes of this act as may be necessary to enforce its provisions.

40-8-7. Board and division — Authority — No retroactive effect for rules.

- (1) The board and the division may require:
 - (a) identification of the ownership of all interests in mineral deposits included within a notice of intention, including surface ownership of all land affected in the notice;
 - (b) the making and filing, with the division, of true and correct copies of underground and surface mine maps; drill hole locations; area maps of

in carrying out the provisions of this act for the fiscal year next following the convening of the Legislature. This budget shall be submitted to the executive director of the Department of Natural Resources for inclusion in the governor's appropriation request to the Legislature.

(2) The division shall have authority to appoint or employ technical support or consultants in the pursuit of the objectives of this act and shall be responsible for coordination with other agencies in matters relating to mined land reclamation and the application of related laws.

40-8-12. Objectives.

- (1) To return the land, concurrently with mining or within a reasonable amount of time thereafter, to a stable ecological condition compatible with past, present, and probable future local land uses;
- (2) To minimize or prevent present and future on-site or off-site environmental degradation caused by mining operations to the ecology and hydrologic regimes and to meet other pertinent state and federal regulations regarding air and water quality standards and health and safety criteria; and
- (3) To minimize or prevent future hazards to public safety and welfare.

40-8-12.5. Reclamation required.

Every operator shall be obligated to conduct reclamation and shall be responsible for the costs and expenses thereof.

40-8-13. Notice of intention required prior to mining operations — Assurance of reclamation required in notice of intention — When contents confidential — Approval of notice of intention not required for small mining operations — Procedure for reviewing notice of intention.

- (1) (a) Before any operator begins mining operations, or continues mining operations pursuant to Section 40-8-23, he shall file a notice of intention for each individual mining operation with the division.
- (b) The notice of intention for small mining operations shall include a statement that the operator shall conduct reclamation as required by rules promulgated by the board.
- (c) The notice of intention for mining operations other than small mining operations shall include a plan for reclamation of the lands affected as required by rules promulgated by the board.

(2) Information provided in the notice of intention and its attachments relating to the location, size, or nature of the deposit that is marked confidential by the operator shall be protected as confidential information by the board and the division and is not a matter of public record unless the board or division obtains a written release from the operator, or until the mining operation has been terminated as provided in Subsection 40-8-21(2).

(3) (a) Within 30 days from the receipt of a notice of intention, the division shall complete its review of the notice and shall make further inquiries, inspections, or examinations that are necessary to properly evaluate the notice.

(b) The division shall notify the operator of any objections to the notice and shall grant the

operator a reasonable opportunity to take action that may be required to remove the objections or obtain a ruling relative to the objections from the board.

(4) Approval of a notice of intention for small mining operations is not required.

(5) The notice of intention for mining operations other than small mining operations, shall be reviewed as provided in this subsection.

(a) Within 30 days after receipt of a notice of intention or within 30 days following the last action of the operator or the division on the notice of intention, the division shall make a tentative decision to approve or disapprove the notice of intention.

(b) The division shall:

(i) mail the information relating to the land affected and the tentative decision to the operator; and

(ii) publish the information and the decision, in abbreviated form, one time only, in all newspapers of general circulation published in the county where the land affected is situated, and in a daily newspaper of general circulation in Salt Lake City, Utah.

(c) The division shall also mail a copy of the abbreviated information and tentative decision to the zoning authority of the county in which the land affected is situated and to the owner of record of the land affected.

(d) (i) Any person or agency aggrieved by the tentative decision may file a request for agency action with the division.

(ii) If no requests for agency action are received by the division within 30 days after the last date of publication, the tentative decision on the notice of intention is final and the division shall notify the operator.

(iii) If written objections of substance are received, the division shall hold a formal adjudicative proceeding.

(e) Subsection (5) does not apply to exploration.

(6) Within 30 days after receipt of a notice of intention concerning exploration operations other than small mining operations, the division will review the notice of intention and approve or disapprove it.

40-8-14. Surety requirement — Liability of small mining operations for failure to reclaim — Forfeiture of surety.

(1) After receiving notification that a notice of intention for mining operations other than small mining operations has been approved, but prior to commencement of such operations, the operator shall provide surety to the division, in a form and amount determined by the board.

(2) In determining the amount of surety to be provided, the board shall consider factual information and recommendations provided by the division as to the magnitude, type, and costs of approved reclamation activities planned for the land affected and the nature, extent, and duration of operations under the approved notice. The board shall approve a fixed amount estimated as required at any point in time covered by the notice of intent to complete reclamation to an acceptable standard.

(3) In determining the form of surety to be provided by the operator, the board shall approve a method acceptable to the operator and consistent with the requirements of this chapter which may be one or a combination of but not limited to: a written

contractual agreement, collateral, a bond or other form of insured guarantee, deposited securities, or cash. In making this decision the board shall, with respect to the operator, consider such factors as his financial status, his assets within the state, his past performance on contractual agreements, and his facilities available to carry out the planned work.

(4) In determining the amount and form of surety to be given under this section, consideration shall be given to other similar requirements made effective on the operator by landowners, governmental agencies, or otherwise, with the intent that such surety requirements shall be coordinated and not duplicated.

(5) The liability under surety provisions shall continue until such time as released as to part or in its entirety, by the division.

(6) If the operator of a small mining operation fails or refuses to carry out the necessary land reclamation as required by this chapter and the rules of the board, the board, after notice and hearing, may order that: (a) reclamation be conducted by the division; and

(b) the costs and expenses of reclamation, together with costs of collection including attorney's fees, be recovered in a civil action brought by the attorney general against the operator in any appropriate court.

(7) If the operator of a mining operation other than a small mining operation fails or refuses to carry out the necessary land reclamation as outlined in the approved notice of intention, the board may, after notice and hearing, declare any surety filed for this purpose forfeited. With respect to the surety filed with the division, the board shall request the attorney general to take the necessary legal action to enforce and collect the amount of liability. Where surety or a bond has been filed with the Division of State Lands and Forestry or an agency of the federal government, the board shall certify a copy of the transcript of the hearing to the division or such agency, together with a request that the necessary forfeiture action be taken. The forfeited surety shall be used only for the reclamation of the land to which it relates, and any residual amount returned to the rightful claimant.

40-8-15. Notice of commencement to division — Operations and progress report.

(1) Within 30 days after commencement of mining operations under an approved notice of intention, the operator shall give notice of such commencement to the division.

(2) At the end of each calendar year, unless waived by the division, each operator conducting mining operations under an approved notice of intention shall file an operations and progress report with the division on a form prescribed in the rules promulgated by the board.

40-8-16. Approved notice of intention valid for life of operation — Withdrawal, withholding, or refusal of approval — Procedure and basis.

(1) An approved notice of intention or approved revision of it remains valid for the life of the mining operation, as stated in it, unless the board withdraws the approval as provided in Subsection (2).

(2) The board or the division shall not withdraw approval of a notice of intention or revision of it, except as follows:

(a) Approval may be withdrawn in the event that the operator substantially fails to perform

reclamation or conduct mining operations so that the approved reclamation plan can be accomplished.

(b) Approval may be withdrawn in the event that the operator fails to provide and maintain surety as may be required under this chapter.

(c) Approval may be withdrawn in the event that mining operations are continuously shut down for a period in excess of five years, unless the extended period is accepted upon application of the operator.

(3) Approval of a notice of intention may not be refused, withheld, nor withdrawn by the division until the operator, who holds or has applied for such approval, has had an opportunity to request a hearing before the board, present evidence, cross-examine, and participate fully in the proceedings. Based on the record of the hearing, the board will issue an order concerning the refusal, withholding, or withdrawal of the notice of intention. If no hearing is requested, the division may refuse, withhold, or withdraw approval of a notice of intention.

(4) In the event that the division or the board withdraws approval of a notice of intention or its revision, all mining operations included under the notice shall be suspended in accordance with procedures and schedule approved by the division.

40-8-17. Responsibility of operator to comply with applicable rules, regulations and ordinances — Inspections.

(1) The approval of a notice of intention shall not relieve the operator from responsibility to comply with all other applicable statutes, rules, regulations, and ordinances, including but not limited to, those applying to safety, air and water pollution, and public liability and property damage.

(2) As a condition of consideration and approval of a notice of intention, each applicant or operator under the division, or other state agency having jurisdiction in the administration of this act, to have the right, at all reasonable times, to enter the affected land and all related properties included in the notice of intention, whether or not approved, to make inspections for the purposes of this act.

40-8-18. Revised notice of intention authorized — Procedure.

(1) In recognition that mining operations and related reclamation plans may require revision to fit changing conditions or developing technology, an operator who is conducting mining operations under an approved notice of intention shall submit to the division a notice of intention when revising mining operations. This notice of intention to revise mining operations shall be submitted in the form provided for in the rules promulgated by the board.

(2) The notice of intention to revise mining operations will be designated as an amendment to the existing notice of intention by the division, based on rules promulgated by the board. An amendment of a notice of intention will be reviewed and considered for approval or disapproval by the division within 30 days of receipt of a notice of intention to revise mining operations.

(3) A notice of intention to revise mining operations, if not designated as an amendment of a notice of intention, as set forth in Subsection 40-8-18(2), shall be processed and considered for approval by the division in the same manner and within the same time period as an original notice of intention.

operator shall be authorized and bound by the requirements of his existing notice until the revision is acted upon and any revised surety requirements are established and satisfied.

(4) Small mining operations shall submit an amendment to the notice of intention when changes in the operations occur. Approval of an amendment of small mining operations is not required.

40-8-19. Transfer of mining operation under approved notice of intention.

Whenever an operator succeeds to the interest of another operator who holds an approved notice of intention or revision covering a mining operation, by sale, assignment, lease, or other means, the division may release the first operator from his responsibility under his approved notice of intention, including the surety, provided the successor assumes all of the duties of the former operator, to the satisfaction of the division, under this approved notice of intention, including its then approved reclamation plan and the posting of surety. Upon the satisfactory assumption of such responsibilities by the successor operator, under conditions approved by the division, the approved notice of intention shall be transferred to the successor operator.

40-8-20. Applicability.

This act shall apply to all lands in the state of Utah lawfully subject to its police power. No political subdivision of this state shall enact laws, regulations, or ordinances which are inconsistent with this act.

40-8-21. Temporary suspension or termination of operations — Notice to division — Evaluation and inspection — Release of surety — Evidence of compliance.

(1) In the case of a temporary suspension of mining operations, excluding labor disputes, expected to be in excess of five years' duration, the operator shall, within 30 days, notify the division.

(2) In the case of a termination of mining operations or a suspension of such operations expected to extend for a period in excess of two years, the operator shall furnish the division with such data as it may require in order to evaluate the status of the mining operation, performance under the reclamation plan, and the probable future status of the mineral deposit and condition of the land affected.

(3) Upon receipt of notification of termination or extended suspension, the division shall, within 30 days, cause an inspection to be made of the property and take whatever action may be appropriate in furtherance of the purposes of this chapter.

(4) The full release by the division of surety posted under an approved notice of intention shall be prima facie evidence that the operator has fully complied with the provisions of this chapter.

40-8-22. Division cooperation — Agreements.

(1) The division shall cooperate with other state agencies, local governmental bodies, agencies of the federal government, and appropriate private interest in the furtherance of the purposes of this act.

(2) The division is authorized to enter into cooperative agreements with these agencies, as may be approved by the board, in furtherance of the purposes of this act and may accept or commit funds in connection thereto as may be appropriated or otherwise provided for the purpose and as specifically approved by the board, except that such actions shall not result in any delegation of powers, responsibility, or authority conferred upon the board or division by this act.

40-8-23. Effective dates — Exceptions.

This act shall become effective sixty days after adjournment of the Legislature except as follows:

- (1) Mining operations which are active on the effective date of this act will be required to prepare and submit a notice of intention on or before July 1, 1977, and shall be authorized to continue such existing operations until the operator obtains approval of his notice of intention. Such approval shall be obtained by the operator within 36 months from the date of submission of this notice. Subsequent to approval of the notice of intention, the operator shall be bound by the provisions of the approved notice of intention and surety requirements as provided in Section 40-8-13 and Section 40-8-14.
- (2) Mining operations which are active on the effective date of this act and which are suspended or terminated on or before July 1, 1977, shall advise the division of this fact before July 10, 1977, and shall not be required to submit a notice of intention.
- (3) Mining operations which are inactive on the effective date of this act and which resume operations on or before July 1, 1977, shall be required to prepare and submit a notice of intention within twelve months following the effective date of this act or within six months of the resumption of such operations, whichever is earlier, and shall be authorized to conduct operations as described in the notice of intention until the operator obtains approval of his notice of intention. Such approval shall be obtained by the operator within 36 months from the date of submission of the notice. Subsequent to approval of the notice of intention, the operator shall be bound by the provisions of the approved notice of intention and surety requirements as provided in Section 40-8-13 and Section 40-8-14.

(4) The board and division, in the initial application of this act and until July 1, 1977, shall not be bound by the thirty-day time limitation within which to take action on a notice of intention; but all notices of intention filed before July 1, 1977, shall be acknowledged as received within thirty days of receipt and action shall be commenced by the division within twelve months from the date of receipt.

(5) This act and the rules and regulations promulgated under it shall be fully effective for all operators and mining operations active on the effective date of this act or commenced or reactivated on and after July 1, 1977.

CHAPTER 9

OIL REFINEMENT ACT

(Repealed by Laws 1983, ch. 283, § 25.)

40-9-1 to 40-9-8. Repealed.

CHAPTER 10

COAL MINING AND RECLAMATION

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Underground coal mining — Rules and regulations regarding surface effects — Operator requirements for underground coal mining — Suspension of underground mining on finding of imminent danger to surface inhabitants — Applicability of other chapter provisions. Information provided by permittees to division — Inspections by division — Signs required at operations entrances — Violations reported by reclamation officers — Copies

40-10-22.

Underground coal mining — Rules and regulations regarding surface effects — Operator requirements for underground coal mining — Suspension of underground mining on finding of imminent danger to surface inhabitants — Applicability of other chapter provisions. Information provided by permittees to division — Inspections by division — Signs required at operations entrances — Violations reported by reclamation officers — Copies

40-10-23.

Underground coal mining — Rules and regulations regarding surface effects — Operator requirements for underground coal mining — Suspension of underground mining on finding of imminent danger to surface inhabitants — Applicability of other chapter provisions. Information provided by permittees to division — Inspections by division — Signs required at operations entrances — Violations reported by reclamation officers — Copies

40-10-24.

Underground coal mining — Rules and regulations regarding surface effects — Operator requirements for underground coal mining — Suspension of underground mining on finding of imminent danger to surface inhabitants — Applicability of other chapter provisions. Information provided by permittees to division — Inspections by division — Signs required at operations entrances — Violations reported by reclamation officers — Copies

40-10-25.

Underground coal mining — Rules and regulations regarding surface effects — Operator requirements for underground coal mining — Suspension of underground mining on finding of imminent danger to surface inhabitants — Applicability of other chapter provisions. Information provided by permittees to division — Inspections by division — Signs required at operations entrances — Violations reported by reclamation officers — Copies

40-10-26.

Underground coal mining — Rules and regulations regarding surface effects — Operator requirements for underground coal mining — Suspension of underground mining on finding of imminent danger to surface inhabitants — Applicability of other chapter provisions. Information provided by permittees to division — Inspections by division — Signs required at operations entrances — Violations reported by reclamation officers — Copies

40-10-27.

Underground coal mining — Rules and regulations regarding surface effects — Operator requirements for underground coal mining — Suspension of underground mining on finding of imminent danger to surface inhabitants — Applicability of other chapter provisions. Information provided by permittees to division — Inspections by division — Signs required at operations entrances — Violations reported by reclamation officers — Copies

40-10-28.

Underground coal mining — Rules and regulations regarding surface effects — Operator requirements for underground coal mining — Suspension of underground mining on finding of imminent danger to surface inhabitants — Applicability of other chapter provisions. Information provided by permittees to division — Inspections by division — Signs required at operations entrances — Violations reported by reclamation officers — Copies

40-10-29.

Underground coal mining — Rules and regulations regarding surface effects — Operator requirements for underground coal mining — Suspension of underground mining on finding of imminent danger to surface inhabitants — Applicability of other chapter provisions. Information provided by permittees to division — Inspections by division — Signs required at operations entrances — Violations reported by reclamation officers — Copies

40-10-30.

Underground coal mining — Rules and regulations regarding surface effects — Operator requirements for underground coal mining — Suspension of underground mining on finding of imminent danger to surface inhabitants — Applicability of other chapter provisions. Information provided by permittees to division — Inspections by division — Signs required at operations entrances — Violations reported by reclamation officers — Copies

40-10-31.

Underground coal mining — Rules and regulations regarding surface effects — Operator requirements for underground coal mining — Suspension of underground mining on finding of imminent danger to surface inhabitants — Applicability of other chapter provisions. Information provided by permittees to division — Inspections by division — Signs required at operations entrances — Violations reported by reclamation officers — Copies

Section

40-10-20.

records and reports available to public. Civil penalty for violation of chapter — Informal conference — Public hearing — Contest of violation or amount of penalty — Collection — Criminal penalties — Civil penalty for failure to correct violation.

40-10-21.

Civil action to compel compliance with chapter — Jurisdiction — Venue — Division and board as parties — Court costs — Security when temporary restraining order or injunction sought — Other rights not affected — Action for damages.

40-10-22.

Violation of chapter or permit conditions — Inspection — Cessation order, abatement notice, or show cause order — Suspension or revocation of permit — Review — Costs assessed against either party. Time for bringing criminal proceeding.

40-10-23.

Determination of unavailability of lands for surface coal mining — Petition — Public hearing — Detailed statement by division. Abandoned mine reclamation program — Expenditure priorities — Eligible lands and water.

40-10-24.

Abandoned Mine Reclamation Fund created — Contents — Use of monies.

40-10-25.1.

Liability limitation for abandoned mine reclamation.

40-10-25.2.

State reclamation plan and annual projects submitted to secretary of interior — Contents of plan — Annual support and implementation requests — Costs for proposed projects.

40-10-26.

Entry upon land adversely affected by past coal mining practices — Conducting of studies or exploratory work — State acquisition of land — Lien — Waste disposal fund — Water pollution control and treatment plans.

40-10-27.

Recovery of reclamation costs — Lien against reclaimed land. Certification of completion of coal reclamation.

40-10-28.

Other enforcement and protection rights unaffected — Operator to replace adversely affected water supply of legitimate users.

40-10-28.1.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-29.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-30.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-31.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-32.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-33.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-34.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-35.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-36.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-37.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-38.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-39.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-40.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-41.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-42.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-43.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-44.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-45.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-46.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-47.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-48.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-49.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-50.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-51.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-52.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-53.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-54.

Chapter's procedures supersede Title 63, Chapter 46B.

40-10-55.

Chapter's procedures supersede Title 63, Chapter 46B.

(2) The expansion of coal mining in Utah to meet the nation's energy needs makes even more urgent the establishment of appropriate standards to minimize damage to the environment and to productivity of the soil and to protect the health and safety of the public.

(3) Surface mining and reclamation technology is now developed so that effective and reasonable regulation of surface coal mining operations is an appropriate and necessary means to minimize so far as practicable the adverse social, economic, and environmental effects of the mining operations.

(4) In recognition of the innate differences between coal and other mineral deposits and between surface and underground mining methods, the Legislature perceives a need for a separate chapter for effective and reasonable regulation of such operations.

40-10-2. Purpose.

It is the purpose of this chapter to:

- (1) Grant to the Board and Division of Oil, Gas and Mining the necessary authority to assure exclusive jurisdiction over non-federal lands and cooperative jurisdiction over federal lands in regard to regulation of coal mining and reclamation operations as authorized pursuant to Public Law 95-87.
- (2) Assure that the rights of surface landowners and other persons with a legal interest in the land or appurtenances thereto are fully protected from these operations.
- (3) Assure that surface coal mining operations are conducted so as to protect the environment, that reclamation occurs as contemporaneously as possible with the operations, and that operations are not conducted where reclamation as required by this chapter is not economically or technologically feasible.
- (4) Assure that appropriate procedures are provided for the public participation in the development, revision, and enforcement of regulations, standards, reclamation plans, or programs established by the state under this chapter.
- (5) Promote the reclamation of mined areas left without adequate reclamation prior to the effective date of this chapter and which continue, in their unreclaimed condition, to substantially degrade the quality of the environment, prevent or damage the beneficial use of land or water resources, or endanger the health or safety of the public.
- (6) Wherever necessary, exercise the full reach of state constitutional powers to insure the protection of the public interest through effective control of surface coal mining operations and efficient reclamation of abandoned mines.

40-10-3. Definitions.

For the purposes of this chapter:

- (1) "Alluvial valley floor" mean the unconsoled stream laid deposits holding streams where water availability is sufficient for subirrigation or flood irrigation agricultural activities but does not include upland areas which are generally overlain by a thin veneer of alluvial deposits composed chiefly of debris from sheet erosion, deposits by unconcentrated runoff or slope wash, together with talus, other mass movement accumulation and windblown deposits.



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

October 4, 1993

Ms. Victoria J. Bryan
Reclamation Bonding Specialist
Office of Surface Mining Reclamation and Enforcement
Western Support Center
1020-15th Street
Denver, Colorado 80202

Re: Response to Letter Dated September 28, 1993, Non-Coal
Minerals Bonding Regulations and Statute

Dear Vicki:

Enclosed please find a copy of the Utah Non-Coal bonding regulation and statutes, as well as a copy of the non-coal surety bond form. If you have any questions, please call me.

Sincerely,

Pamela Grubaugh-Littig
Permit Supervisor

pg1
Enc.





State of Utah
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December 28, 1993

TO: James W. Carter, Director
Lowell P. Braxton, Associate Director, Mining
Daron Haddock, Permit Supervisor

FROM: Pamela Grubaugh-Littig, Permit Supervisor *pgl*

RE: Status of Liability Insurance for Coal Operators

The updated liability insurance status report is enclosed.

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Enclosure
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LIABILITY INSURANCE FOR COAL MINES

As of December 31, 1993

Name of Project	Policy Number	Primary Insurance Company (Best's Rating) 1993	Effective Dates	"Accord" Form	XCU (Explosives)	Claims Made or Per Occurrence Retroactive Date	Cancellation Language	Certificate Holder (State of Utah- DOGM)
Valley Camp Coal Co. Belina Mines ACT/007/001	GLR989061	Home Indemnity Company (A-)	04/01/93- 04/01/94	Yes	Yes	Occurrence	Yes	Yes
White Oak Mining	3710-45-17	Federal Ins. Co.	9/15/93- 9/15/94	Yes	Yes	Occurrence	Yes	Yes
Ammax Coal Company Castle Gate Mine ACT/007/004	GL3259027	National Union Fire Ins. Co. of Pittsburgh, PA (A + +)	04/01/93- 04/01/94	Yes	Yes	Claims Made 04/01/86	Yes	Yes
Coastal Corp. ETAL Skyline Mine/Eccles Cyn ACT/007/005	MCC001172	Fidelity & Casualty Co. of N. Y. (A-)	12/31/92- 3/16/94	Yes	Yes	Occurrence	Yes	Yes
Cyprus Minerals Co. and its subsidiary Co. Star Point ACT/007/006	RMGL175946	National Union Fire Insurance Company (A + +)	07/01/93- 07/01/94	Yes	Yes	Claims Made 07/01/89	Yes	Yes
Sunnyside Coal Company Sunnyside Mines ACT/007/007	35326378	Federal Insurance Co.	12/22/93- 12/22/94	Yes	Yes	Occurrence	Yes	Yes
U. S. Fuel Co. King Mines #4, 5 & 6 ACT/007/011	GL NGA1498686-01	Planet Insurance Co. (A-)	04/01/93- 04/01/94	Yes	Yes	Occurrence	Yes	Yes

LIABILITY INSURANCE FOR COAL MINES

As of December 31, 1993

Name of Project	Policy Number	Primary Insurance Company (Best's Rating) 1993	Effective Dates	"Accord" Form	XCU (Explosives)	Claims Made or Per Occurrence Retroactive Date	Cancellation Language	Certificate Holder (State of Utah- DOGM)
Mountain Coal Co. C. V. Spur ACT/007/022	ISL GI 519134-A	Insurance Company of North America (A-)	01/01/93- 01/01/96	Yes	Yes	Occurrence	Yes	Yes
Andalex Resources, Inc Wildcat Loadout ACT/007/033	3710-25-94	Federal Insurance Co. (A++)	07/01/93- 07/02/94	Yes	Yes	Occurrence	Yes	Yes
Coastal Corporation Soldier Creek Coal Co. Banning Loadout ACT/007/034	MCD001405	Fidelity & Casualty Co. of New York (A-)	12/31/92- 3/16/94	Yes	Yes	Occurrence	Yes	Yes
(Savage Coal Service Contractor)	GL5407160RA	National Union Fire Insurance Co. (A++)	01/01/89- Until Cancelled					
Sunnyside Cogeneration Associates Environmental Power Corp. Sunnyside Refuse & Slurry ACT/007/035	3710-13-49	Federal Insurance Co. (A++)	7/30/93 to 7/30/94	Yes		Occurrence		
Western States Minerals J. B. King ACT/015/002	SI 1652592	Reliance Insurance Company (A-)	04/01/93- 04/01/94	Yes	No	Occurrence	No	Yes
Mountain Coal Co. Huntington #4 ACT/015/004	ISL GI 519134-A	Insurance Company of North America (A-)	01/01/93- 01/01/96	Yes	Yes	Occurrence	Yes	Yes

LIABILITY INSURANCE FOR COAL MINES

As of December 31, 1993

Name of Project	Policy Number	Primary Insurance Company (Best's Rating) 1993	Effective Dates	"Accord" Form	XCU (Explosives)	Claims Made or Per Occurrence Retroactive Date	Cancellation Language	Certificate Holder (State of Utah- DOGM)
Nevada Electric Investmt and its subsidiaries Crandall Canyon Mine ACT/015/032	3710-3989	Federal Insurance Company (Chubb Group) (A++)	01/01/93- 01/01/94	Yes	Yes	Occurrence	Yes	Yes
New Tech Mining Co. Black Jack #1 ABD/019/004	NO INSURANCE	(Permit Revoked)		No				
Andalex Resources Inc. Smokey Hollow PRO/025/002	3710-25-94	Federal Insurance Co. (A++)	07/01/93- 07/01/94	Yes	Yes	Occurrence	Yes	Yes
Utah International Inc. Alton Mine PRO/025/003	CCP-0016-0207	Transportation Insurance Company (A++)	04/02/87- Until Cancelled 12/31/92- 3/16/94	No				
Coastal Corp, et al c/o Energy Insurance Int'l Convulsion Canyon ACT/041/002	ZY51785	Old Republic Ins. Co. (A)		Yes	Yes	Occurrence	Yes	Yes
BHP Petroleum (Amer) Inc c/o BHP-Utah International Knight Mine ACT/041/005	GL-7-0251-6549	Transportation Ins. Co.	9/30/93- 4/2/94	Yes	N/A	Occurrence	Yes	Yes
Summit Minerals, Inc. Summit #1 Mine REV/043/001	NO INSURANCE	(Permit Denied)		No				



State of Utah

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December 31, 1993

TO: James W. Carter, Director 
Lowell P. Braxton, Associate Director, Mining
Daron Haddock, Permit Supervisor

FROM: Pamela Grubaugh-Littig, Permit Supervisor 

RE: Coal Bond Status Report as of December 31, 1993

Attached is a copy of the current coal bond status report. Presently, the coal program has a total of \$49,399,568 in various forms of reclamation bonds.

Corporate Sureties (28)	\$39,972,804	> 80%
Irrevocable Letters of Credit (5)	\$ 3,978,002	> 8%
Subordination Agreements (Real Estate) (3)	\$ 3,034,762	> 6%
Self Bond (1)	\$ 2,329,000	< 5%
Certificate of Deposit (1)	\$ 75,000	< .5%
Cash (1)	\$ <u>10,000</u>	< .5%
	\$49,399,568	

sm
Attachment
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COAL BONDS

As of December 31, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1993	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Valley Camp of Utah, Inc. Belina Mines Complex ACT/007/001	Yes (11/30/89)	79	\$2,300,000	Surety (Ridered)	Aetna Casualty & Surety Co. 25S100723365 (A)	12/7/91	\$29,114	8/24/84 (11/17/89)	Previous bond under Federal Insurance Company. Changed surety companies 12/7/91
Blackhawk Coal Company Willow Creek INA/007/002		4.2	(\$10,000) (Released)	Surety (Released)	Safeco Insurance Co. #6615354 (A++)	7/12/84 (7/30/90)	\$2381	12/24/84	Original Posted: (Released \$91,550 8/13/85) \$2,585,609 released 7/30/90; Final bond released 8/24/92
Amrax Coal Industries Castle Gate Mine ACT/007/004	Yes (2/5/86)	134.5	\$2,683,603	Surety	National Fire Insurance Company Hartford #929-80-55 (A+)	1/31/86	\$19,952 Permit Transfer	12/24/84 (12/24/90)	
Coastal States Energy Skyline Mine ACT/007/005	Yes (12/1/89)	65.38	\$3,180,000	Surety	United Pacific Ins. Co. #U605244-6 (A-)	3/15/90 (5/31/90) (6/9/92)	\$48,639	6/20/80 (4/30/87) (5/1/92)	Original Bond Amount - \$1,850,500 (6/20/89); Bonds replaced 7/30/90; Rider added 3/15/90; Rider added 6/9/92; Reclamation Agreement being updated
Cyprus Plateau Mining Corp. Star Point Mine ACT/007/006	Yes (1/4/91)	173.2	\$4,830,000	Surety	Aetna Casualty & Surety Co. 64S100208576BCA (A)	11/26/85 (10/26/90)	\$27,887	(8/7/87) (11/28/92)	Reclamation Agreement Signed 11/2/90; Ridered "termination" language 9/91
Sunnyside Coal Company Sunnyside Mine ACT/007/007	Contract (12/11/89)	287.4	\$2,813,562	Combination	C.D. issued for \$75,000 at Zions First National Bank. First Deed of Trust for Undisturbed Land and Water Rights; Agreement 8/28/89	8/31/89	\$9,790	1/6/86 (1/6/91)	Escrow Agreement Finalized 6/90 3/13/89 Active Status; Transferred from Kaiser Coal Co. 5/26/89

COAL BONDS

As of December 31, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1993	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Kaiser Coal Corp. Sunnyside Mine ACT/007/007	Special		(\$3,397,349)		Filed Chapter 11 2/13/87; Agreement with SRS 3/9/89; Transferred to SRS Replaced by SRS Bond	1/6/86			
Suneco Sage Point-Dugout Canyon REV/007/009	No Disturbance		(\$611,875) (Released)	Surety (Released)	Federal Insurance Co. #8090-86-10 (A++)	12/8/80		(Permit Revoked) 5/19/87	Bond released 5/19/87 No disturbance
U. S. Fuel Co. Hiawatha Mines Complex ACT/007/011	Special	290	\$1,450,000 \$2,329,000	Surety Self Bond	Insurance Company of North America K01733369 (A-) DOGM and OSM	4/8/83 (12/16/86)	\$13,031	3/13/87 (3/13/92)	
Kaiser Coal Corp. Wellington Prep. Plant ACT/007/012	Yes	356	(\$4,360,775)	Self-Bond	Division of Oil, Gas and Mining; Filed Chapter 11 2/13/87; Replaced by Genwal ILOC	1/31/86 Permit Transferred 10/10/89	\$12,249	12/10/84	Bankrupt
Castle Valley Resources Wellington Prep. Plant ACT/007/012	Yes (8/16/91)	356	\$2,969,000	Surety	Safeco Insurance Co. #5612986 (A++)	10/26/89 (5/27/93)	\$8,340	(12/10/89)	Permit Transfer to Genwal 10/10/89; Permit Transfer to Castle Valley Resources 12/5/91; Rider added 5/27/93
Kaiser Coal Corp. Geneva (Horse Canyon Mine) ACT/007/013		50	(\$918,649)	Self Bond	Division of Oil, Gas and Mining, and OSM	Filed Chapter 11 2/13/87	\$18,373		Transferred from U.S. Steel 11/4/85
Kaiser Coal Corp. Horse Canyon Mine ACT/007/013		50	(\$1,359,600)	Irrevocable Letter of Credit	Chase Manhattan Bank No. PG632732	4/12/90	27,192		Released by OSM 1/26/91; DOGM 1/27/91

COAL BONDS

As of December 31, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1993	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Intermountain Power Agency Horse Canyon Mine ACT/007/013	Yes (7/3/90)	50	\$1,950,002	Irrevocable Letter of Credit	Zions First National Bank	7/2/90	39,000	5/6/91	IPA Acquired Horse Canyon Mine 4/5/90; Permit issued 5/6/91; Bond increased 5/3/91
Mountain Coal Co. Gordon Creek #2, 7 & 8 ACT/007/016	Yes (8/28/89)	17.58	\$641,443 (\$45,900)	Surety (Released)	United Pacific Insurance Co U-62-99-65 (A-) #8082-93-00 (A-)	8/14/87 11/22/77	\$36,487	8/27/84 (8/28/89)	Ridered "termination" language 9/91
Mountain Coal Co. Gordon Creek #3 & #6 ACT/007/017	No	17.3	\$138,400	Surety	United Pacific Insurance Co. U-629895 (A-) Phase I-Bond Release Effective 6/26/87 Ridered 7/13/87	9/19/86 7/13/87	\$8,000	9/19/86 (11/13/91)	Original Bond Amount \$346,000
Soldier Creek Coal Co. Soldier Canyon Mine ACT/007/018	Yes (5/2/91)	24	\$3,238,000	Surety	United Pacific Ins. Co. #U1712871-1 (A-)	9/15/93	134,916	6/10/85 (2/3/92)	Increased from \$577,000 5/2/91; Increased in conjunction with renewal. Transferred to Coastal 9/15/93.
Andalex Resources Centennial Project ACT/007/019	Yes (7/6/90)	34.2	\$381,839 \$699,000	Surety Surety	Utica Mutual Insurance SU34593 (A) & SU1354086	5/16/83 (7/3/90) (2/23/93)	\$31,603	1/4/82 (3/3/87) (1/3/92)	Increased to \$1,080,839 on 7/3/90
North American Equities Blazon #1 Mine REC/007/021	No	1.5	\$38,000 (Forfeited)	Irrevocable Letter of Credit \$43865	United Bank of Denver	5/5/89	\$25,333	11/12/85	LOC with First Interstate Bank replaced 2/91; Amount reduced from \$48,400 4/30/91; Bond forfeited 5/24/91- Cashier's Check to Division
Mountain Coal Co. C.V. Spur Mine ACT/007/022	Yes (8/7/89)	160	\$2,441,745	Surety	United Pacific Insurance Company (A-) U-629894	4/22/87	\$15,261	8/6/85 (8/6/89)	Ridered "termination" language 9/91

COAL BONDS

As of December 31, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1993	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Andalex Resources, Inc. Wildcat Loadout Facility ACT/007/033	Yes (5/5/89)	60	\$813,795	Surety	Continental Casualty Co. 400776222 (A+)	12/1/92	\$13,563	5/5/89	Changed from Pittsburgh National Bank in 4/92; Replaced ILOC 12/9/92
Soldier Creek Coal Co. Banning Siding Loadout ACT/007/034	Yes (10/20/88)	21.4	\$211,000	Surety	United Pacific Ins. Co. U1712871-8 (A-)	9/15/93	\$9,860	10/24/88	Transfer to Coastal States 9/15/93
Sunnyside Cogeneration Associates Sunnyside Refuse & Slurry ACT/007/035	Yes (1/25/93)	202	\$1,500,000	Irrevocable Letter of Credit	First Security Bank S-09742-00018	1/22/93	\$7,426	2/4/93	Permit issued 2/4/93; Double bonded with Sunnyside Permit Area until removed
Cyprus Plateau Mining Corp. Blackhawk Exploration Site CEP/007/038	No	3.1	\$50,000	Surety	Aetna Casualty & Surety Company 64S100767004BCA (A)	9/21/92	\$16,129		Exploration Project
Western States Minerals J. B. King Mine ACT/015/002	No	28	\$126,078	Surety	Seaboard Surety Co. #104570 (A+) Phase I Bond Release (effective 5/20/86) Ridered-4/28/86	(4/28/86)	\$4,503	8/13/85 (8/13/90)	Original Bond Amount - \$262,577
Mountain Coal Co. Huntington #4 Mine ACT/015/004	No	12.5	\$144,042	Surety	United Pacific Ins. Co. #U-630694 (A-)(Phase I-60% bond release effective 11/10/86 rider - 12/31/86)	4/15/85 (12/12/86) (7/8/88)	\$11,523	4/29/85 (4/29/90)	Original Bond Amount - \$360,102; Ridered "termination" language 9/91
Hidden Valley Coal Co. Hidden Valley Mine REC/015/007	No	6.7	\$68,606	Surety	St. Paul Fire & Marine Ins. Co. #400 HJ 8041 (A+) Phase I bond release effective 7/17/88	12/30/86 (7/17/88)	\$10,240	1/28/87 (1/29/92)	Original Bond Amount - \$171,515

COAL BONDS

As of December 31, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1993	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
PacificCorp Trail Mountain Mine ACT/015/009	Yes (10/12/92)	24.78	\$1,000,000	Surety	American Casualty Co. of Reading, PA #700819575 (A+)	8/3/93	40,355	2/21/85 (2/21/90)	Federal Mine Approval Tract 1 & 2 Transfer effective 11/23/87; Federal Lease Tract approved 5/15/91; Ridered "termination" language 9/91; Ridered increased amount and disturbance on 4/28/92 (from \$463,711 and 8.8 acres). Transferred from Mountain Coal Company to PacificCorp 11/13/92. Ridered 8/3/93 to increase amount and disturbance.
Consolidation Coal Co. Emery Deep Mine ACT/015/015	Yes (8/10/92)	247	\$3,454,443 (for mine & prep plant areas)	Surety	Seaboard Surety #188617 (A+)	12/11/85 (5/3/91)	\$13,986	6/8/82 & 1/7/86 (1/8/91)	
PacificCorp Des-Bee-Dove Mine ACT/015/017	Yes (12/13/90)	74.5	\$1,837,712	Surety	American Casualty Co. of Reading, PA. #926-00-83 (A+)	1/25/85 (12/6/90)	\$24,667	8/29/85 (5/31/91)	New Bond Submitted for PacificCorp 12/90; Ridered "termination" language 9/91

COAL BONDS

As of December 31, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1993	Year Date Posted (Ridered)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
PacificCorp Deer Creek Mine ACT/015/018	Yes (12/13/90)	56	\$2,000,000	Surety	American Casualty Co. of Reading, PA. #927-21-58 (A+) Rider effective 9/17/92	3/15/85 (9/17/92)	\$35,714	2/7/86 (2/7/91)	Waste Rock Storage Added 9/88; Original Bond Amount - \$1,224,000; New Bond Submitted for PacificCorp 12/90; Ridered "termination" language 9/91; Increased from \$1,724,000 to include amendment changes 9/92
PacificCorp Cottonwood/Wilberg Mine ACT/015/019	Yes (12/13/90)	66.92	\$2,071,098	Surety	American Casualty Co. of Reading, PA. #924-98-19 (A+)	6/15/84 (11/13/89) (6/7/90) (11/13/90)	\$30,949	7/6/84 (7/6/89)	Original Bond Amount-\$1,294,522 Ridered 6/7/90 for Waste Rock Site - \$1,586,008 (New Bond Submitted 11/20/90 for PacificCorp with revised amount); Ridered "termination" language 9/91
Co-Op Mining Co. Trail Canyon Mine ACT/015/021	No	10	\$200,000	Irrevocable Letter of Credit	West One Bank #S-557	6/15/89	\$20,000	5/30/89	Automatically Renewable
Co-Op Mining Co. Bear Canyon Mine ACT/015/025	Yes (8/11/89)	10	\$290,000	Irrevocable Letter of Credit	Capital City Bank #1055	Amended 10/20/92 (for C.W. Mining) Expires 10/24/94	\$29,000	11/1/85 (5/20/91)	Automatically Renewable
Genwal Coal Co. Crandall Canyon Mine ACT/015/032	Yes (6/13/89)	9.7	\$703,000	Surety	Safeco Ins. Co. #4689175 (A++)	5/10/90	\$72,474	(6/14/89)	Replaced ILOC 7/30/90 with Surety. Rider 9/21/93

COAL BONDS

As of December 31, 1993

NAME OF PROJECT Permit Number	Reclamation Agreement (Date)	Disturbed Surface Acres	Present Bond Amount	Type of Bond Posted	Principal Holder* (Best's Rating) 1993	Year Date Posted (Ridged)	Cost per Acre	Date Original Permit Issued (5-Yr Renewal)	Comments
Genwal Coal Co. Crandall Canyon Mine ACT/015/032	No	5.1	\$10,000	Cash	(Mofrland Loadout)	7/11/88	1.961		Still held but should probably be released. Released 9/30/93.
New Tech Mining Co. (Exploration) Black Jack #1 Mine ACT/019/004	7.2		(\$30,534)	Escrow Account	First Interstate Bank #72-3024-006 Revoked Permit 9/88	1/23/84 & 12/14/79	\$4,241		Bond forfeited; Division preparing reclamation contract to complete reclamation in 1992; Reclamation completed November 1992
Coastal States Energy Co. Southern Utah Fuel Co. Convulsion Canyon Mine ACT/041/002	Yes	69.70	\$1,690,000	Surety	United Pacific Insurance Co. U605244-14 (A-)	4/12/91 (7/23/92)	\$24,247	5/19/87 (6/20/92)	Ridged 7/23/92; Reclamation Agreement updated 2/25/93
Coal Search Corp. Knight Mine ACT/041/005	Yes (85 version)	40	\$800,000	Surety	Seaboard Surety Co. #164898 (A+)	9/16/90	\$20,000	10/31/88	Federal Ins. Co. Surety replaced 9/16/90. Phase I Bond Release is pending
Summit Minerals Blackhawk Mine REV/043/001	No	19	\$120,300	Subord. Agreement	Division (Real Estate in Wallsburg, UT) (Permit Denied)	6/4/86	\$6,332	2/26/88 Permit Denial	In process of selling collateral bond
Summit Coal Co. Boyer Mine ACT/043/008	No	7	\$100,900	Subord. Agreement	Division (Real Estate in Park City, Utah) Permit Revoked 8/4/89	8/2/85	\$14,414	5/15/87	Collateral Bond has been sold and money in possession of State

*All of the bonding companies are listed in the Federal Register, July 1, 1993, the Department of Treasury listing of Surety Companies acceptable on Federal bonds.

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